

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

900 SOUTH FREMONT AVENUE ALHAMBRA, CALIFORNIA 91803-1331 Telephone: (626) 458-5100 www.ladpw.org

ADDRESS ALL CORRESPONDENCE TO: P.O. BOX 1460 ALHAMBRA, CALIFORNIA 91802-1460

IN REPLY PLEASE
REFER TO FILE: PJ-2

November 21, 2006

The Honorable Board of Supervisors County of Los Angeles 383 Kenneth Hahn Hall of Administration 500 West Temple Street Los Angeles, CA 90012

Dear Supervisors:

SENATE BILL 1953 SEISMIC RETROFIT PROGRAM
VARIOUS MEDICAL CENTERS
AUTHORIZE EXTENSION REQUEST FOR DEADLINE COMPLIANCE
ADOPT REVISED COMPLIANCE PLANS
SUPERVISORIAL DISTRICTS 1, 2, 4, AND 5
3 VOTES

JOINT RECOMMENDATION WITH THE CHIEF ADMINISTRATIVE OFFICER AND THE DIRECTOR OF HEALTH SERVICES THAT YOUR BOARD:

- Adopt the revised Senate Bill 1953 (SB 1953) Compliance Plans (Enclosure A) for the Harbor-UCLA, LAC+USC, Martin Luther King, Jr./Drew, and Olive View-UCLA Medical Centers and Rancho Los Amigos National Rehabilitation Center that reflect the deadline extensions and the inclusions of various projects authorized since the initial adoption of the Compliance Plan on December 5, 2000.
- Authorize submission of a request to the Office of Statewide Health Planning and Development (OSHPD) to revise the compliance deadline for SB 1953 seismic retrofit requirements at Olive View-UCLA Medical Center from 2011 to 2013.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTIONS

The recommended actions will incorporate the required documentation to request SB 1953 extensions authorized by your Board on April 18, 2006, for Harbor-UCLA, LAC+USC, Martin Luther King, Jr./Drew, and Olive View-UCLA Medical Centers and Rancho Los Amigos National Rehabilitation Center.

Revised Compliance Plans

SB 1953 extension applications require inclusion of revised Compliance Plans outlining a strategy and schedule for bringing the noncompliant acute care facilities into compliance by the established deadlines. The revised Compliance Plans are now complete.

The revised Compliance Plans reflect construction phasing that minimizes simultaneous disruption to the hospital's ongoing services and the decrease of SB 1953 work in the critical care areas with the Rancho Los Amigos Acute Care Addition, the Harbor-UCLA Surgery/Emergency Replacement, and the Olive View-UCLA Emergency Room Replacement and Tuberculosis Unit projects previously approved by your Board. The revised Compliance Plan for LAC+USC Medical Center incorporates delicensing the current hospital buildings upon completion of the LAC+USC Medical Center Replacement project.

A brief status of the overall SB 1953 program is provided in Enclosure B.

Revised Extension Request

In April 2006, your Board approved a 3-year extension to the compliance deadline for the Olive View-UCLA Emergency Room Replacement and Tuberculosis Unit project. We are reviewing programming options for those areas being vacated in favor of the Emergency Room Replacement and Tuberculosis Unit project and will return to your Board with options that are determined feasible. The 5-year extension would allow the County to better manage any unanticipated project schedule contingencies. Therefore, we are requesting your Board's approval to request a 5-year extension to the compliance deadline.

The following table reflects the revised deadline extensions being requested.

Hospital	Approved Completion	Requested Extension Date
Harbor-UCLA Medical Center	January 1, 2013	January 1, 2013
High Desert Hospital (1)	Not Required	Not Required
Martin Luther King, Jr./Drew Medical		
Center	January 1, 2013	January 1, 2013
Olive View-UCLA	January 1, 2011	January 1, 2013
Rancho Los Amigos National		
Rehabilitation Center	January 1, 2013	January 1, 2013

(1) The conversion of High Desert Hospital into an outpatient facility exempts it from the requirements of SB 1953.

Implementation of Strategic Plan Goals

These actions are consistent with the County Strategic Plan Goal of Organizational Effectiveness as the proposed recommendations will allow the County to provide services in a more efficient and cost-effective manner. These actions will further the County Strategic Plan Goal of Service Excellence by minimizing the disruption of services during construction of the projects to the greatest extent possible and are also consistent with the County Strategic Plan Goal of Fiscal Responsibility as the projects are an investment in public infrastructure.

FISCAL IMPACT/FINANCING

The fee for each extension request application is \$250, with an aggregate cost of \$1,000 for the four hospitals. Sufficient appropriation and funds are available in the Fiscal Year 2006-07 Final Capital Projects/Refurbishments Budget — Rancho Los Amigos Acute Care Addition (C.P. 69334), the Harbor-UCLA SB 1953 SPC2/NPC3 (C.P. 86534), Olive View-UCLA SB 1953 NPC3 (C.P.86537), and Martin Luther King, Jr./Drew SB 1953 SPC2/NPC3 (C.P. 96536).

FACTS AND PROVISIONS/LEGAL REQUIREMENTS

Under the original SB 1953 legislation, hospitals can request up to a 5-year extension of the retrofit deadlines based upon diminished capacity. On March 1, 2002, OSHPD issued procedures allowing hospital owners to request extensions on individual buildings in full-year increments up to 5 years. We have discussed systemwide deadline extensions with OSHPD, which they have agreed to take under consideration.

Following approval of the extension by OSHPD, if the County requires additional time to meet the extended 2013 deadline, SB 1661 enacted this legislative year allows hospitals to apply for an additional 2-year extension, to 2015, provided the County meets the conditions in the senate bill.

ENVIRONMENTAL DOCUMENTATION

It can be seen with certainty that approval of the recommended actions will have no potential for causing a significant effect on the environmental, and therefore the actions are not projects subject to the California Environmental Quality Act. Appropriate environmental documentation for each project will be submitted to your Board for approval before advertising for bids.

IMPACT ON CURRENT SERVICES (OR PROJECTS)

Approval of the recommended actions will allow the County to better manage the overall SB 1953 compliance program in a comprehensive manner, which will minimize the disruption of key medical services to the public.

CONCLUSION

Please return an adopted copy of this letter to the Chief Administrative Office (Capital Projects Division), Health Services, and Public Works.

Respectfully submitted,

DONALD L. WOLFE
Director of Public Works

DAVID E. JANSSEN Chief Administrative Officer

BRUCE A. CHERNOF, M.D. Director and Chief Medical Officer

AKM:njc

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Enc.

cc: County Counsel

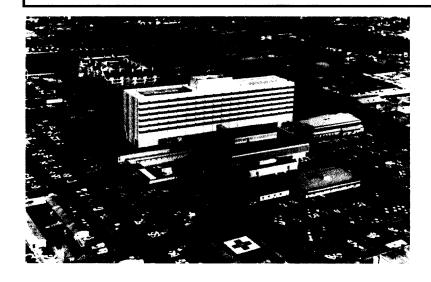


County of Los Angeles

SB 1953 SEISMIC EVALUATION AND RETROFIT

REVISED COMPLIANCE PLAN

Harbor - UCLA Medical Center





November 16, 2006 OSHPD Facility #11809





COUNTY OF LOS ANGELES

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ADDRESS ALL CORRESPONDENCE TO: P.O. BOX 1460 ALHAMBRA, CALIFORNIA 91802-1460

IN REPLY PLEASE

REFER TO FILE: PJ-2

November 21, 2006

Mr. Chris Tokas
Office of Statewide Health Planning and Development
Facilities Development Division
1600 9th Street, Room 450
Sacramento, CA 95814

Dear Mr. Tokas:

HARBOR-UCLA MEDICAL CENTER
SENATE BILL 1953 REVISED COMPLIANCE PLAN
OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITY NO. 11809

In response to Senate Bill 1953 regulations, we are enclosing the revised Compliance Plan for Harbor-UCLA Medical Center. This report is being submitted as an update to the original November 22, 2000, Compliance Plan and also responds to the Office of Statewide Health Planning and Development's review comments in Appendix B.

This report was prepared by URS Corporation. If you have any questions, please contact me at (626) 300-2333 or Mr. William E. Gates of URS Corporation at (213) 996-2379.

Very truly yours,

DONALD L. WOLFE Director of Public Works

ANDREW K. MOEY
Senior Capital Projects Manager
Project Management Division I

GBB:nic

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Enc.

cc: Chief Administrative Office (Dawn McDivitt, Tracy Jue)
Department of Health Services (John Shubin, Tecla Mickoseff)

URS

October 23, 2006

Mr. Andrew K. Moey
Capital Projects Program Manager
Project Management Division I, 5th Floor
Los Angeles County
Department of Public Works
900 South Fremont Avenue
Alhambra, California 91803 -1331

Re:

SB 1953 Seismic Evaluation Project

Los Angeles County Contract #PW-11917

URS Project No. 29403740

Subj:

Revised Compliance Plan

Harbor-UCLA Medical Center

Dear Mr. Moey:

Enclosed are eight copies of the Revised Compliance Plan under SB 1953 for Harbor-UCLA Medical Center. This report is being submitted for formal review by the hospital administration and approval by the Board of Supervisors.

Thank you for your review and assistance in completing this document. If you have any questions, please contact me at 213/996-2379.

Sincerely,

URS

William E. Gates, S.E.

Vice President

cc: Leland Nakaoka



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SECTION 1

INTRODUCTION



SENATE BILL 1953 REVISED COMPLIANCE PLAN HARBOR-UCLA MEDICAL CENTER TORRANCE, CALIFORNIA

1.0 INTRODUCTION

1.1 Purpose

This report describes Los Angeles County's compliance plan to address the identified seismic deficiencies of the Harbor - UCLA Medical Center as required by SB 1953 regulations.

1.2 Existing Hospital

The Harbor - UCLA Medical Center is licensed for 553 beds including 514 general acute care beds and is located at 1000 West Carson Street, Torrance, California.

At the time of the initial November 22, 2000 Compliance Plan, the Medical Center had nine buildings that were subject to SB 1953 evaluation and retrofit requirements:

01A	Main Hospital Building – Patient Towe
01B	Main Hospital Building – North Wing
01C	Main Hospital Building – South Wing
01D	Main Hospital Building – Cafeteria
01E	Main Hospital Building – FCLC
02	PCDC Building
04A	Central Plant Building
04B	Central Plant West Expansion
07	Communications Building 2 East

Several of these buildings were found to have structural and/or nonstructural seismic deficiencies that required upgrade by the 2002, 2013, and 2030 milestone dates as described in this report.

1.3 New Construction

In order to increase the emergency power generating capacity to the entire campus, Harbor – UCLA Medical Center initiated an Emergency Power System Project which was completed in 2002. One element of the project was the construction of a standalone one-story, 6,500 sq. ft. Emergency Generator Building (04C) as shown in Figure 3-2.



In addition, a Surgery/Emergency Replacement Project is planned which includes a new 3-story 190,000 square foot Surgery/Emergency Addition (08A) and an adjacent 8-story Elevator Tower (08B) to be constructed adjacent to the existing Main Hospital Building. The new departments provided in this addition will replace the existing Surgery, Emergency and Central Sterile departments of the Main Hospital in their entirety.

The new Surgery / Emergency Replacement building is scheduled to be completed in 2010, enabling replacement and subsequent delicensing of the existing departments prior to the 2013 milestone date. It will also require upgrades to the Central Plant per the 2001 CBC. The new construction and upgrades are described further in Section 2 of this report.

1.4 Assumptions

The California Constitution prohibits the County of Los Angeles (County) from incurring any indebtedness or liability which would exceed in any one fiscal year the income and revenue of the County for such year, without the assent of two-thirds of the qualified voters of the County. Accordingly, the County cannot commit to make the required retrofits to the facility unless and until it has encumbered all the funds required to pay for the retrofits. Such encumbrances do not occur until specific contracts are approved for funding by the County. Such contracts cannot be approved until an environmental assessment of the retrofits is completed.

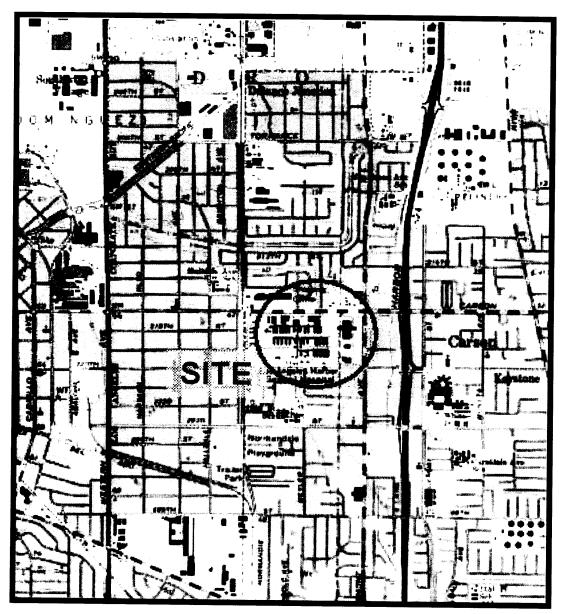
Los Angeles County's needs for medical services in the year 2030 and beyond is unknown at this time. Therefore, the seismic upgrade requirements for the year 2030 milestone date have not been studied. Considering the stringent structural and nonstructural seismic performance requirements for the year 2030 milestone, retrofit of the existing buildings is generally considered unfeasible. Thus, the buildings identified as structurally deficient are assumed to be delicensed by 2030 and may be replaced with new seismically conforming buildings if the County determines that replacement of some or all of the acute care beds is necessary to meet the County's health care needs at that time.

1.5 Report Content

- Introduction
- Site vicinity map and building photographs
- Narrative description of compliance plan for various SB 1953 milestone dates
- Compliance site plans for various SB 1953 milestone dates
- Existing and planned building status matrices
- Schedule for design and construction of the planned activities
- References
- SB 1953 Requirements and Terminology (Appendix A)
- OSHPD Review Comments and Backchecks with response (Appendix B)



1.6 Vicinity Maps and Photographs

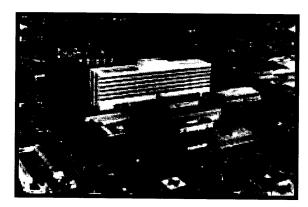


VICINITY MAP

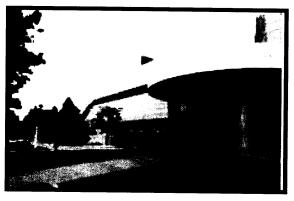
Torrance, California

HARBOR – UCLA MEDICAL CENTER

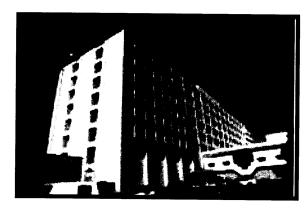
Los Angeles County



HARBOR - UCLA MEDICAL CENTER



PCDC BUILDING



MAIN HOSPITAL BUILDING –
PATIENT TOWER



PATIENT TOWER

PHOTOGRAPHS

HARBOR – UCLA MEDICAL CENTER

Los Angeles County



SECTION 2

COMPLIANCE PLAN DESCRIPTION



2.0 COMPLIANCE PLAN DESCRIPTION

As of this year (2006), Los Angeles County's Harbor - UCLA Medical Center in Torrance, California, consists of 103 buildings on a campus of 72 acres. Of these buildings, ten are Acute Care Hospital Buildings that are included in this report under SB 1953.

2.1 By the Year 2002

The County provided bracing and anchorage of the following systems to achieve an NPC-2 rating for all SB 1953 related buildings and equipment on the site:

- Communications Systems
- Emergency Power Systems
- Emergency Lights and Signs

The fire alarm and bulk medical gas storage systems were installed with OSHPD approvals and are already compliant.

The following buildings will meet or exceed SPC-2 and NPC-3 ratings when brought into compliance with NPC-2 requirements (see Sections 3.0 Site Plans and Section 4.0 Building Matrices):

- Main Hospital Building Cafeteria (01D)
- Main Hospital Building FCLC (01E)
- Central Plant West Expansion (04B)
- Communications Building 2 East (07)

2.2 By the Year 2013

The County will have upgraded the following SPC-1 and/or NPC-2 rated buildings to SPC-2 and NPC-3 rating by retrofit strengthening or by analysis:

- Main Hospital Building Patient Tower (01A)
- Main Hospital Building North Wing (01B)
- Main Hospital Building South Wing (01C)
- PCDC Building (02)
- Central Plant Building (04A)

A new Emergency Generator Building (04C) was completed in 2002 and added to the Acute Care Facilities.

In addition, the County will have constructed the new Surgery / Emergency Addition (08A) with associated Elevator Tower (08B). Among other things, this project will provide new Surgery, Emergency and Central Sterile departments that entirely replace their existing counterparts currently located in the Main Hospital Building (01A, 01B and 01C). This alleviates the need for NPC-3 retrofit in these areas.



The Surgery / Emergency Addition will be SPC-5 and NPC -4 compliant upon completion of construction. In addition, per the 2001 CBC, the Central Plant serving this new construction will also be upgraded to NPC-4 (Note: the Central Plant is already SPC-4 compliant).

All other buildings on campus are functionally independent of the hospital and require no SB 1953 upgrade work.

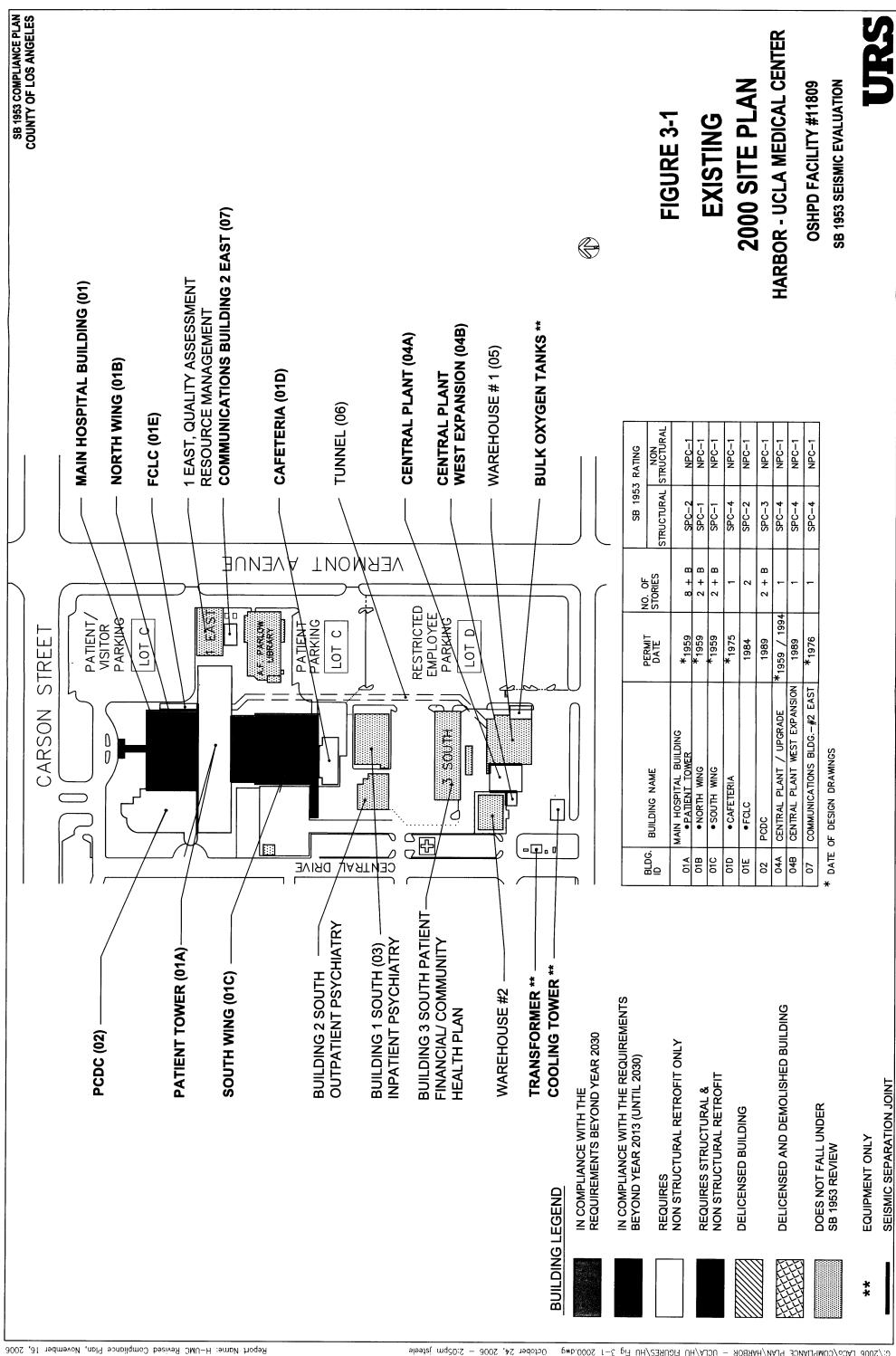
2-3 By the year 2030

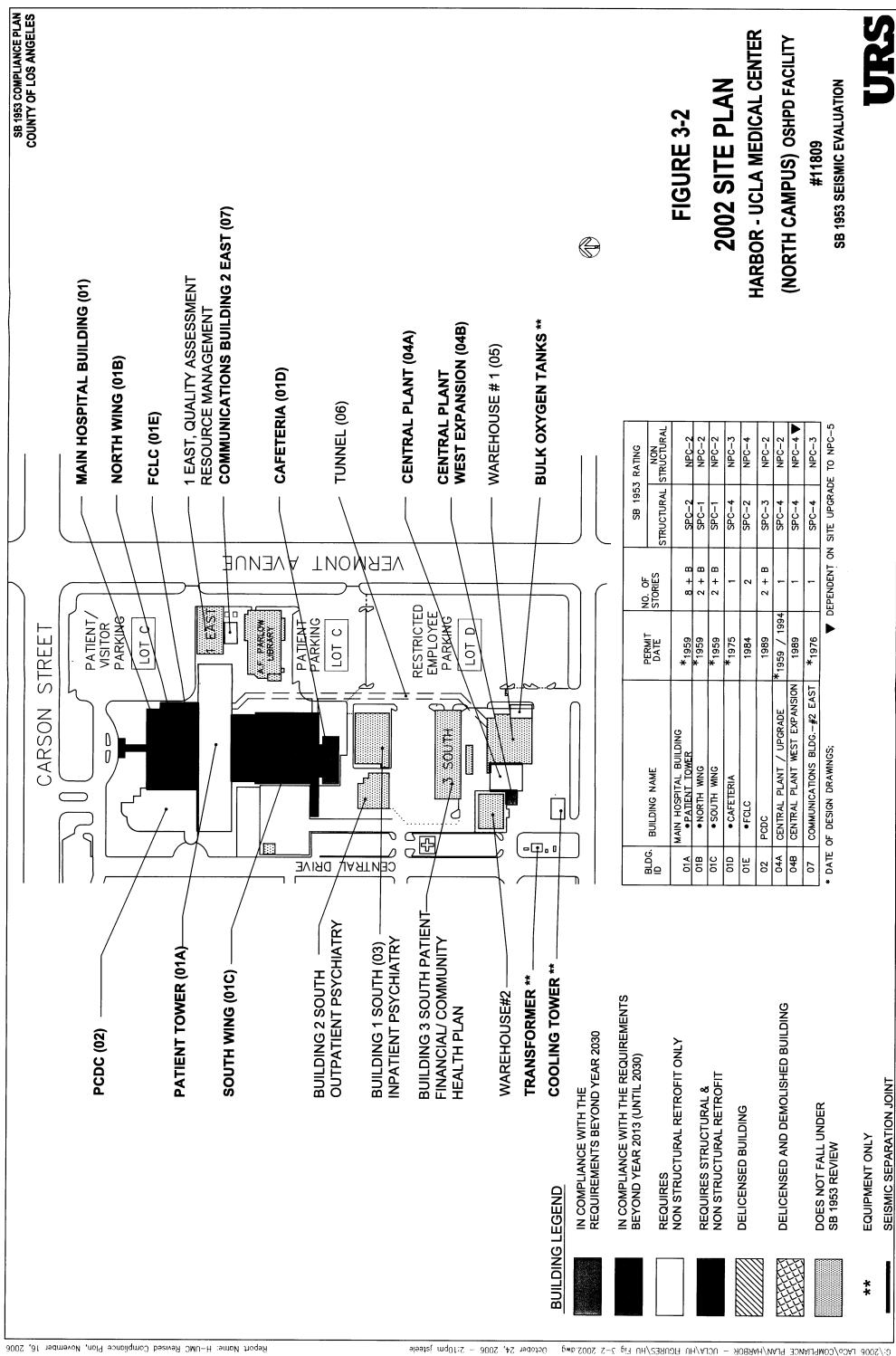
All buildings indicated on the Compliance Site Plans in Section 3 and Building Matrices in Section 4 will be delicensed.



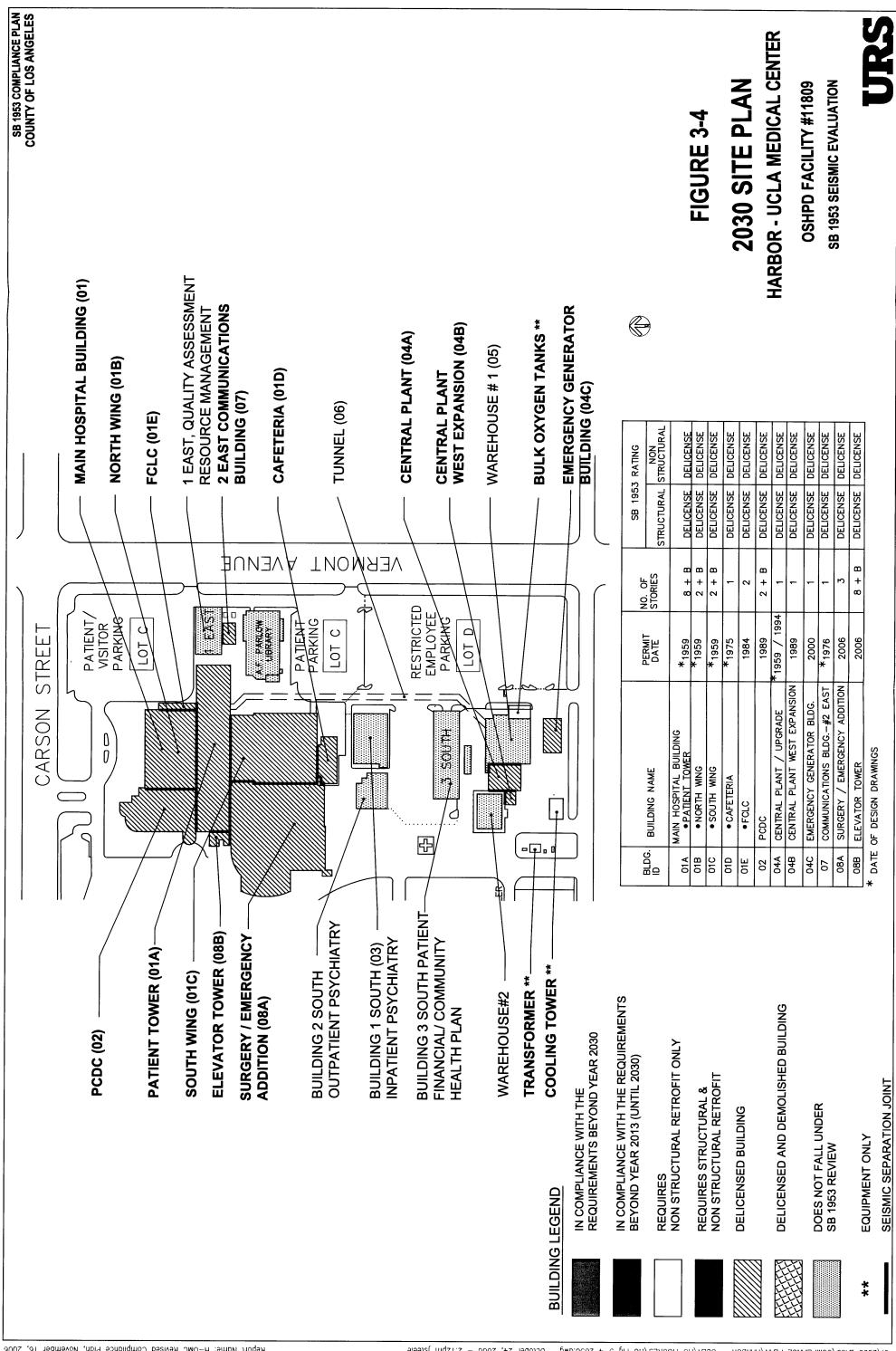
SECTION 3

COMPLIANCE SITE PLANS





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SECTION 4

EXISTING AND PLANNED BUILDING MATRICES



Table 4-1 HARBOR - UCLA MEDICAL CENTER Existing at 2000 and Planned Buildings Matrix for 2002

STEN	Building	Bldg ⁽¹⁾ Type	SPC ⁽¹⁾ Existing	SPC Planned	NPC ⁽¹⁾ Existing	NPC Planned	Status By ⁽²⁾
01A	Main Hospital Bldg – Patient Tower	8,9	2	2	1	2	2002 ^(R)
01B	Main Hospital Bldg – North Wing	9	1	1	1	3	2002 ^(R)
01C	Main Hospital Bldg – South Wing	9	1	1	1	2	2002 ^(R)
01D	Main Hospital Bldg – Cafeteria	9	4	4	1	3	2002 ^(R)
01E	Main Hospital Bldg – FCLC	1,4	2	2	1	4	2002 ^(R)
02	PCDC Building	3	3	3	1	2	2002 ^(R)
04A	Central Plant Building	9, 3, 4	4	4	1	2	2002 ^(R)
04B	Central Plant West Expansion	5	4	4	1	4	2002 ^(R)
7	Communications Building 2 East	1	4	4	1	3	2002 ^(R)

Refer to Appendix A for definition of heading terms and abbreviations
Status by: may include retrofit (R), delicensed (D), or new construction (N). NC indicates no change in status for the stated period



Table 4-2 HARBOR-UCLA MEDICAL CENTER Existing at 2002 and Planned Buildings Matrix for 2013

STEN	Building	Bldg ⁽¹⁾ Type	SPC ⁽¹⁾ Existing	SPC Planned	NPC ⁽¹⁾ Existing	NPC Planned	Status By ⁽²⁾
01A	Main Hospital Bldg – Patient Tower	8, 9	2	2	2	3	2013 ^(R)
01B	Main Hospital Bldg – North Wing	9	1	2	2	3	2013 ^(R)
01C	Main Hospital Bldg – South Wing	9	1	2	2	3	2013 ^(R)
01D	Main Hospital Bldg – Cafeteria	9	4	4	3	3	NC
01E	Main Hospital Bldg – FCLC	1, 4	2	2	4	4	NC
02	PCDC Building	3	3	3	2	3	2013 ^(R)
04A	Central Plant Building	9, 3, 4	4	4	2	4	2013 ^(R)
04B	Central Plant West Expansion	5	4	4	4	4	NC
04C	Emergency Generator Building	13	NA	5	NA	4	2003 ^(N)
07	Communications Building 2 East	1	4	4	3	3	NC
08A	Surgery/Emergency Addition	3	N/A	5	N/A	4	2010 ^(N)
08B	Elevator Tower	9	N/A	5	N/A	4	2010 ^(N)

Refer to Appendix A for definition of heading terms and abbreviations
Status by: may include retrofit (R), delicensed (D), or new construction (N). NC indicates no change in status for the stated period



Table 4-3 HARBOR-UCLA MEDICAL CENTER Existing at 2013 and Planned Buildings Matrix for 2030

STEN	Building	Bldg ⁽¹⁾ Type	SPC ⁽¹⁾ Existing	SPC Planned	NPC ⁽¹⁾ Existing	NPC Planned	Status By ⁽²⁾
01A	Main Hospital Bldg – Patient Tower	8,9	2	Delicensed	3	Delicensed	2030 ^(D)
01B	Main Hospital Bldg – North Wing	9	2	Delicensed	3	Delicensed	2030 ^(D)
01C	Main Hospital Bldg – South Wing	9	2	Delicensed	3	Delicensed	2030 ^(D)
01D	Main Hospital Bldg – Cafeteria	9	4	Delicensed	3	Delicensed	2030 ^(D)
01E	Main Hospital Bldg – FCLC	1, 4	2	Delicensed	4	Delicensed	2030 ^(D)
02	PCDC Building	3	3	Delicensed	3	Delicensed	2030 ^(D)
04A	Central Plant Building	9, 3, 4	4	Delicensed	3	Delicensed	2030 ^(D)
04B	Central Plant West Expansion	5	4	Delicensed	4	Delicensed	2030 ^(D)
04C	Emergency Generator Building	13	5	Delicensed	4	Delicensed	2030 ^(D)
07	Communications Building 2 East	1	4	Delicensed	3	Delicensed	2030 ^(D)
08A	Surgery/Emergency Addition	3	5	Delicensed	4	Delicensed	2030 ^(D)
08B	Elevator Tower	9	5	Delicensed	4	Delicensed	2030 ^(D)

Refer to Appendix A for definition of heading terms and abbreviations
Status by: may include retrofit (R), delicensed (D), or new construction (N). NC indicates no change in status for the stated period



SECTION 5

COMPLIANCE PLAN SCHEDULE

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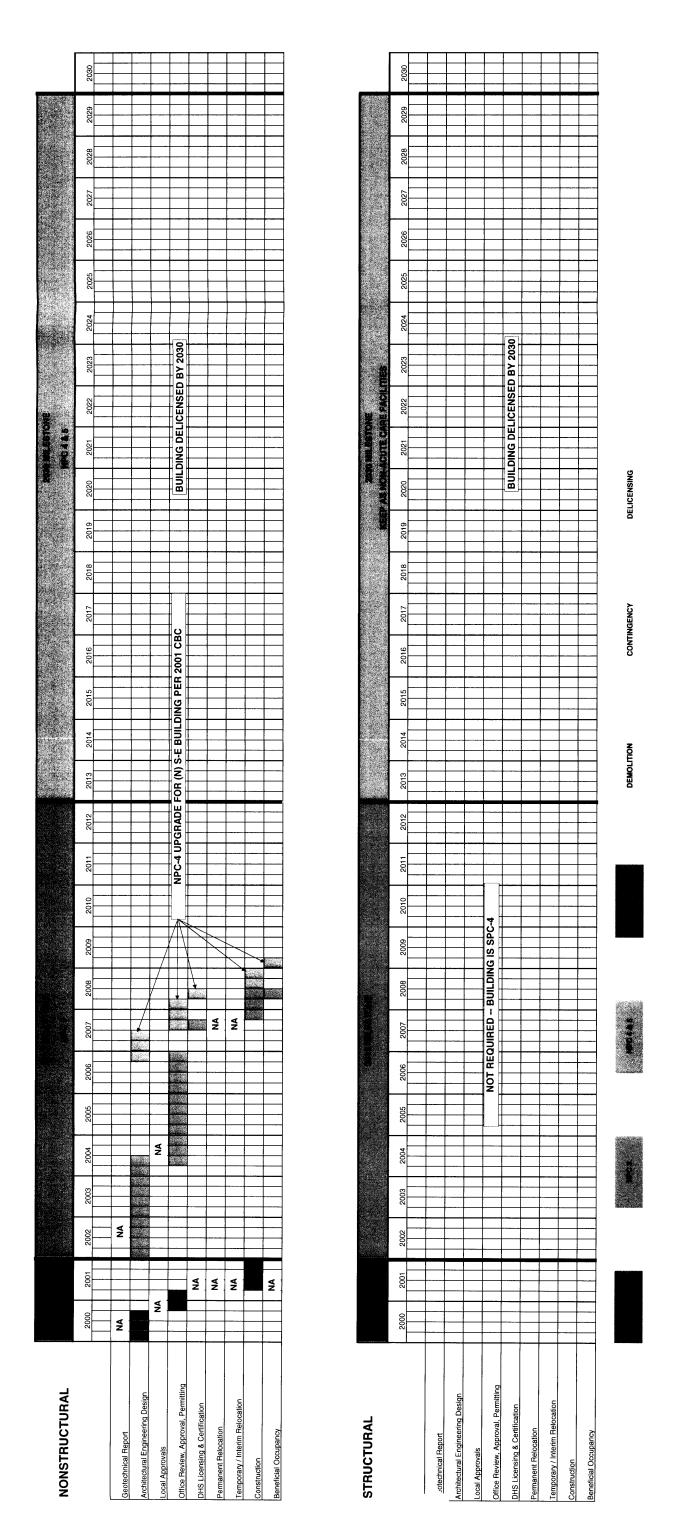
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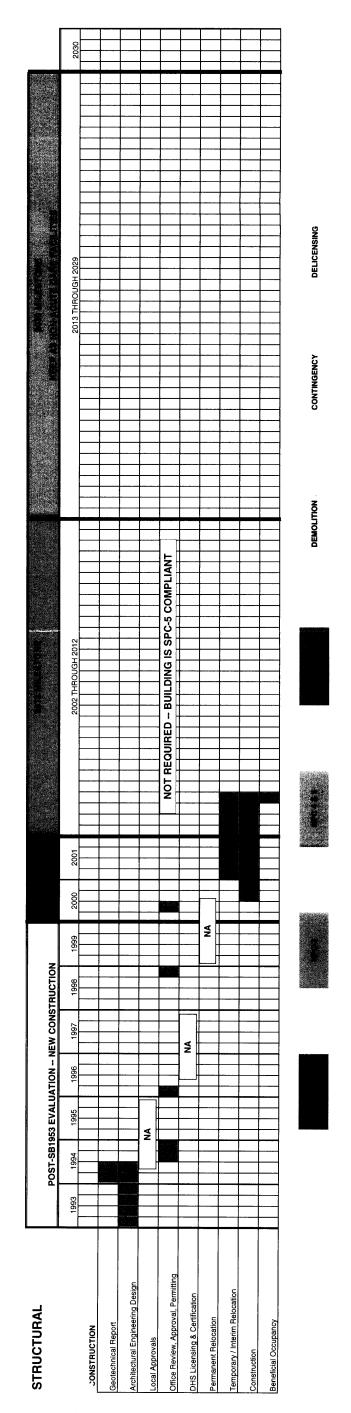
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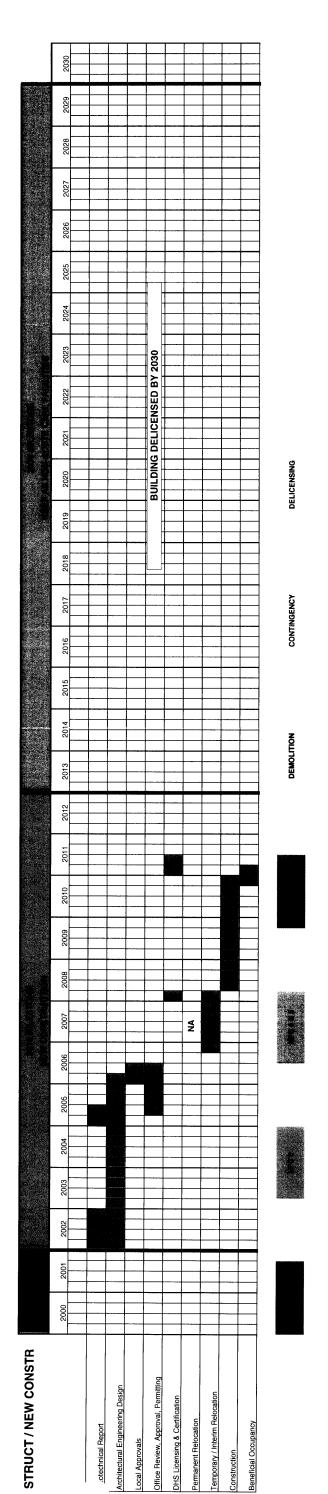
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Notes:

- 1. The Emergency Generator Building was completed in December 2002, between Harbor-UCLA's initial November 1, 2000 Compliance Plan and the update contained in this document.
 - 2. To properly report the completion of this building, the schedule for its design and construction is reported in a separate cateory, "Post-SB1953 Evaluation -- New Construction"
 - 3. Thereafter, applicable SB1953 compliance activities for the Emergency Generator Building are reported in the same format as the other buildings on the campus.









SECTION 6

REFERENCES



6.0 REFERENCES

Dames & Moore, 2000, SB 1953 Seismic Evaluation Report for Harbor-UCLA Medical Center, Torrance California, Project No. 22701-022-015, dated November 22, 2000, prepared for the County of Los Angeles Department of Public Works.

Dames & Moore, 2000, Compliance Plan, Harbor-UCLA Medical Center, Torrance, California, SB 1953 Seismic Evaluation and Retrofit, Project No. 22701-022-015, dated November 22, 2000, prepared for the County of Los Angeles Department of Public Works.

Dames & Moore, 2000, SB 1953 NPC-2 Evaluation Report for Harbor-UCLA Medical Center, Torrance, California, Project No. 22701-022-015 dated November 22, 2000, prepared for the County of Los Angeles Department of Public Works.

Dames & Moore, 2001, SB 1953 Seismic Response Plan Report for Harbor-UCLA Medical Center, Torrance, California, Project No. 22701-022-015, dated February 28, 2001, prepared for the County of Los Angeles Department of Public Works.

URS Corporation, 2002, Response to OSHPD review comments, SB 1953 Seismic Evaluation and Compliance Project, NPC-2 Evaluation Report, Harbor-UCLA Medical Center, Torrance, California, Project No. 29400259, dated November 15, 2002, prepared for the County of Los Angeles Department of Public Works.



APPENDIX A

SUMMARY OF SB 1953 REQUIREMENTS AND TERMINOLOGY



BACKGROUND

Senate Bill 1953 requires that California hospitals develop a Compliance Plan to eliminate seismically unsafe buildings by 2008 and to upgrade all General Acute Care hospitals to a level of functionality following earthquake as specified by the Office of Statewide Health Planning and Development (OSHPD) by the year 2030. The compliance plan must be submitted to OSHPD by January 1, 2001 for review and approval.

OSHPD has developed an evaluation procedure for hospital buildings to categorize the structural system and nonstructural components by relative life risk and functionality under earthquake. The Structural Performance Categories (SPCs) range from unsafe for hospital patients (SPC-1) to fully safe and functional (SPC-5).

Since nonstructural components and equipment play a key role in providing hospital services and also represent a potential source of injury to the patient, SB 1953 requires the complete review of all nonstructural components for structural anchorage and bracing. The emergency services must be brought up to OSHPD seismic standards by January 1, 2002. The nonstructural elements that could fall and injure or disrupt functions in selected Acute Care areas must be upgraded to OSHPD standards by 2008. The full Acute Care Hospital must be upgraded to OSHPD standards by 2030.

Not all hospitals will require seismic upgrade to comply with SB 1953. Those designed and constructed under OSHPD's review and approval since 1983 are automatically considered conforming. All that is required is proof of permit. Hospitals designed and constructed prior to 1973 are considered nonconforming and all will require detailed structural and nonstructural review. Unless they are proven to be life safe (SPC-2) they will have to be upgraded from the unsafe status (SPC-1) or removed from service as a hospital by 2008.

Hospitals designed and constructed between 1973 and 1983 and reviewed by OSA are a mixed situation. They are partially conforming. The structure may meet hospital life safety standards, but nonstructural equipment may not. Both the structural and nonstructural elements will require an evaluation by the structural engineer to determine the Seismic Performance Category.

OSHPD requires a formal evaluation report be filed by the hospital no later than January 1, 2001 on all the General Acute Care Facilities listed on the license except free standing Skilled Nursing Building, non acute care Psychiatric Hospitals, and out patient clinics where more than 75% of the patients are out patients. The Compliance Plan defines how the nonconforming buildings will be brought into conformance or decommissioned by the year 2008 and 2030.



SENATE BILL 1953 REQUIREMENTS and GLOSSARY of TERMS

Senate Bill 1953 (SB 1953) has established a series of interim milestone dates for progressively bringing all hospitals into full seismic compliance with California Building Codes by January 1, 2030. The level of building compliance with SB 1953 requirements is defined by:

- Structural Performance Categories (SPC-1 thru SPC-5) and
- Nonstructural Performance Categories (NPC-1 thru NPC-5).

By January 1, 2002 all five essential systems (i.e., Emergency Power, Bulk Medical Gas Storage, Communications, Fire Alarm and Emergency Lights and Signs) must meet the NPC-2 level of compliance.

By January 1, 2008 all hospital buildings must meet minimum life safety requirements for earthquake which is complying with SPC-2 rating. Buildings housing Critical Care service areas or source equipment serving these areas must also meet NPC-3 rating by 2008. These ratings are the minimum for continued operation of hospital buildings until January 2030. Los Angeles County has applied for an extension of the 2008 deadline to 2013.

To operate the hospital building beyond January 2030, the structure must be rated SPC-3, SPC-4, or SPC-5 and nonstructurally it must be rated NPC-5.

STRUCTURAL PERFORMANCE CATEGORIES (SPC)

SPC 1

Buildings posing a significant risk of collapse and a danger to the public. These buildings must be brought up to the SPC 2 level by January 1, 2008 or be removed from acute care service.

SPC 2

Buildings in compliance with the pre-1973 California Building Standards Code or other applicable standards, but not in compliance with the structural provisions of the Alquist Hospital Facilities Seismic Safety Act. These buildings do not significantly jeopardize life, but may not be repairable or functional following strong ground motion. These buildings must be brought into compliance with the structural provisions of the Alquist Hospital Facilities Seismic Safety Act, its regulations, or its retrofit provisions by January 1, 2030 or be removed from acute care service.

SPC 3

Buildings in compliance with the structural provisions of the Alquist Hospital Facilities Seismic Safety Act, utilizing steel moment resisting frames in regions of high seismicity as defined in Section 4.2.10 and constructed under a permit issued prior to October 25, 1994. These buildings may experience structural damage which does not significantly jeopardize life, but may not be



repairable or functional following strong ground motion. Buildings in this category will have been constructed or reconstructed under a building permit obtained through OSHPD.

SPC 4

Buildings in compliance with the structural provisions of the Alquist Hospital Facilities Seismic Safety Act, but may experience structural damage which may inhibit ability to provide services to the public following strong ground motion. Buildings in this category will have been constructed or reconstructed under a building permit obtained through OSHPD. These buildings may be used to January 1, 2030 and beyond.

SPC 5

Buildings in compliance with the structural provisions of the Alquist Hospital Facilities Seismic Safety Act, and reasonably capable of providing services to the public following strong ground motion. Buildings in this category will have been constructed or reconstructed under a building permit obtained through OSHPD. These buildings may be used without restriction to January 1, 2030 and beyond.

NONSTRUCTURAL PERFORMANCE CATEGORY (NPC)

NPC 1

Buildings with equipment and systems not meeting the bracing and anchorage requirements of any other NPC.

NPC 2

The following systems are braced or anchored in accordance with Part 2, Title 24:

- · communications systems;
- emergency power system;
- · bulk medical gas systems; and
- fire alarm systems.
- emergency lighting equipment and signs in the means of egress.

NPC 3

The building meets the criteria for NPC "2" and in Critical Care Areas, clinical laboratory service spaces, pharmaceutical service spaces, radiological service spaces, and central and sterile supply areas, the following components meet the bracing and anchorage requirements of Part 2, Title 24:

- Nonstructural components, listed in the 1995 CBC, Part 2, Title 24, Table 16A-O, Part 2; and
- Equipment, as listed in the 1995 CBC, Part 2, Title 24, Table 16A-O, "Equipment" including equipment in the physical plant that service these areas.



Exceptions:

- 1. Seismic restraints need not be provided for cable trays, conduit and HVAC ducting. Seismic restraints may be omitted from piping systems, provided that an approved method of preventing release of the contents of the piping system in the event of a break is provided.
- 2. Only elevator(s) selected to provide service to patient, surgical, obstetrical, and ground floors during interruption of normal power need meet the structural requirements of Part 2, Title 24.
- Fire sprinkler systems comply with the bracing and anchorage requirements of NFPA 13, 1994 edition or subsequent applicable standards.

Exception: Rural acute care hospital facilities in Seismic Zone 3 shall comply with the bracing and anchorage requirements of NFPA 13, 1994 edition or subsequent applicable standards by January 1, 2013.

NPC 4

The building meets the criteria for NPC 3 and all architectural, mechanical, electrical systems, components and equipment, and hospital equipment meet the bracing and anchorage requirements of Part 2, Title 24. This category is for classification purposes of the Office of Emergency Services.

NPC 5

The building meets the criteria for NPC 4 and on-site supplies of water and holding tanks for wastewater, sufficient for 72 hours emergency operations, are integrated in to the building plumbing systems. As an alternative, hook-ups to allow for the use of transportable sources of water and sanitary waste water disposal have been provided. An on-site emergency system as defined within Part 3, Title 24 is incorporated into the building electrical system for critical care areas. Additionally, the system shall provide for radiological service and an onsite fuel supply for 72 hours of acute care operation.



COMMON BUILDING TYPES

Building Type 1 – Wood, Light Frame

Building Type 2 – Wood, Commercial and Industrial

Building Type 3 – Steel Moment Frame

Building Type 4 – Steel Braced Frame

Building Type 5 – Steel Light Frame

Building Type 6 – Steel Frame with Concrete Shear Walls

Building Type 7 – Steel Frame with Infill Shear Walls

Building Type 8 – Concrete Moment Frame

Building Type 9 – Concrete Shear Walls

Building Type 10 – Concrete Frame with Infill Shear Walls

Building Type 11 – Precast / Tilt-up Concrete Walls with Lightweight Flexible Diaphragm

Building Type 12 - Precast Concrete Frames with Concrete Shear Walls

Building Type 13 - Reinforced Masonry Bearing Walls with Wood or Metal Deck Diaphragms

Building Type 14 – Reinforced Masonry Bearing Walls with Precast Concrete Diaphragms

Building Type 15 - Unreinforced Masonry (URM) Bearing Wall Buildings



APPENDIX B

OSHPD REVIEW COMMENTS AND BACKCHECKS WITH RESPONSE

URS

November 16, 2006

Mr. Patrick Rodgers
Senior Structural Engineer
SB 1953 Seismic Retrofit Program
Facilities Development Division
Office of Statewide Health Planning and Development
1600 Ninth Street, Room 420
Sacramento, CA 95814

Re: Harbor – UCLA Medical Center #11809

1000 W. Carson Street, Torrance, California 90502

URS Project No. 29403740

Subj: OSHPD's Review Comments on SB 1953 Compliance Plan Report

Dear Mr. Rodgers,

URS Corporation previously submitted an SB 1953 Compliance Plan Report for Harbor - UCLA Medical Center which was dated November 22, 2000. The report was reviewed by OSHPD in a letter of February 7, 2002, a copy of which is enclosed. A revised Compliance Plan dated November 16, 2006 has been prepared that incorporates OSHPD's Review Comments and the significant changes in the Master Plans and Schedules for compliance with SB 1953 that have occurred over the past six years. As a result, many of the comments raised by OSHPD in the 2002 review are no longer applicable.

Even though the original Compliance Plan of November 22, 2000 is now obsolete, we have prepared this letter to make the record complete by responding to OSHPD's review comments. The following represents the disposition of the five OSHPD review comments in the February 7, 2002 letter:

- 1. The Revised Compliance Plan has the Structural Engineer of Record's seal on the cover as requested.
- 2. SB 1953 Compliance Plan Schedule:
 - 2a. The Revised Compliance Plan has been completely reworked to incorporate the comments from OSHPD and current OSHPD review practices which have evolved since 2002, see Section 5 of the Revised Compliance Plan Report.
 - 2b. All of the buildings on the site are affected by the NPC-2 project. Some buildings are affected directly and others are affected indirectly by the SB 1953 requirements for site-wide compliance of emergency communications systems, etc.

URS Corporation 915 Wilshire Boulevard, Suite 700 Los Angeles, CA 90017-3437 Tel: 213.996.2200

Fax: 213.996.2458



November 16, 2006 OSHPD Page 2

- 2c. The SPC-2 and NPC-3 upgrades currently are planned for construction under one project. However, due to County funding and other restrictions in access to the building areas, multiple projects may be performed in order to meet the SB 1953 compliance schedule.
- 3. The existing and planned Buildings Matrix and the 2002 Site Plan indicate various buildings on the site will be upgraded to NPC-3 or NPC-4 by the 2002 milestone (January 1, 2002). However, the schedule shows only NPC-2 projects will be performed to the end of 2001. The reason all buildings on the site are not classified NPC-2 upon completion of the NPC-2 compliance requirements is fairly obvious. Either the buildings have no NPC-3 compliance requirements associated with them and automatically rise to this level upon completion of NPC-2 upgrade or they are fully compliant under OSHPD permits and reach an NPC-4 status upon completion of the site wide NPC-2 compliance requirement. Further studies since the original Compliance Plan was developed in 2000 have shown that the North Wing (01B) does in fact have NPC-3 supply storage areas and other functions which render it an NPC-2 upon compliance with the NPC-2 milestone. This fact has been incorporated in the revised Buildings Matrix, Site Plans and Schedules of the Revised Compliance Plan Report.
- 4. The following is specific information on the function of three buildings shown on the site plans as requested.
 - 4a. Warehouse #1 (05) is a former hospital laundry building that is now used as overflow storage space. Primary storage spaces are provided within the existing main hospital, and these spaces exceed the code-required 20 square feet per licensed bed.
 - 4b. Warehouse#2 is used for holding equipment that is awaiting salvage pick-up. A portion of the building houses a nonfunctioning ETO sterilizer. It is also used as a postal facility.
 - 4c. Building 1 East-Quality Assessment Resource Management is an office building used for administrative support services to the hospital departments of Surgery and Anesthesia.
 - 4d. None of these buildings provide supplementary services in accordance with Section 420A.21 through 420A.52, Part II, Title 24 CCR.
- 5. T-shaped structure on existing site plans at the North side of the Main Hospital Building is an attached canopy to the North Wing of the hospital. Under the present Compliance Plans for the building it will be demolished and not replaced.



November 16, 2006 OSHPD Page 3

Section 1.3 of the Revised Compliance Plan for Harbor - UCLA Medical Center documents the new construction that will be added to the site as part of SB 1953 compliance requirements.

If you have any questions about this Revised Compliance Plan and the response to OSHPD's letter of February 7, 2002, please feel free to contact the undersigned at 213.996.2379 or contact Mr. Andrew K. Moey of the Los Angeles County Department of Public Works at 626.300.2333.

Sincerely,

URS Corporation

William E. Gates, S.E.

Vice President

ec: Andrew K. Moey

enc: OSHPD letter of February 7, 2002

OSHPD letter of March 2, 2005

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

1600 9th Street, Room 420 Sacramento, California 95814 (916) 654-3362 FAX (916) 654-2973

February 07, 2002

William E. Gates Dames & Moore 911 Wilshire Blvd., 8th Floor Los Angeles, CA 90017

RE: Los Angeles Co. Harbor - UCLA Medical Center - 11809

1000 West Carson Street - Torrance, CA 90502

Dear William E. Gates:

We are in receipt of your Compliance Plan dated November 22, 2000 for the above named facility and have reviewed your Compliance Plan as allowed by the completeness of your submittal.

The following are review comments based on your present submittal. You should expect additional comments on any subsequent new contents provided for our review. Note also that revisions to the Structural Evaluation Report and/or the Nonstructural Evaluation Report may require revisions to, and resubmittal of, the Compliance Plan. All plans are processed in order of receipt.

Although the submitted plan has been reviewed, it will not be approved until the following items have been received, reviewed, and approved by OSHPD:

- 1. All Compliance Plans shall be signed and stamped by the Architect or Structural Engineer of Record.
- 2. SB 1953 Compliance Plan Schedule: Please revise the Compliance Plan Schedule to indicate the buildings to be affected by each construction phase. Will all buildings be affected by the NPC-2 project? Will the SPC-2 and NPC-3 upgrades be constructed under one project?
- 3. The 2002 Existing and Planned Buildings Matrix and the 2002 Site Plan indicate the North Wing (01B), Cafeteria (01D), FCLC (01E), Central Plant West Expansion (04B) and Communications Building (07) will be upgraded to NPC-3 or NPC-4 by the 2002 milestone (January 1, 2002). However, the Schedule shows only NPC-2 projects through the end of 2001. Please reconcile this difference and verify that these buildings will be upgraded as indicated.
- 4. Please provide specific information about the function of Warehouse #1 (05), Warehouse #2 and Building 1 East-Quality Assessment Resource Management shown on the Site Plans. If these buildings provide support services or supplementary services in accordance with Sections 420A.21 through 420A.52, Part 2, Title 24, C.C.R., they shall be evaluated as hospital buildings.

Los Angeles Co. Harbor-UCLA Medical Center - 11809 February 07, 2002 Page 2 of 2

5. Existing Site Plan: Is the "T" shaped structure to the north of the Main Hospital Building (01) a free-standing canopy? If so, it shall be evaluated as a separate building.

If you need further information regarding SB 1953, you may visit our web site at www.oshpd.state.ca.us, or you may contact us through Ive Laske at (916) 654-3703.

Sincerely,

John Tehaney Hospital Seismic Retrofit Program

cc: Andrew K. Moey, Principal Facilities Project Manager File



Office of Statewide Health Planning and Development

Facilities Development Division 1600 Ninth Street, Room 420 Sacramento, California 95814 (916) 654-3362 Fax (916) 654-2973 www.oshpd.ca.gov/fdd

March 02, 2005

William E. Gates URS Corporation 911 Wilshire Blvd., Suite 700 Los Angeles, CA 90017

RE: Los Angeles Co Harbor - UCLA Medical Center - 11809 1000 West Carson St., Box 1 - Torrance, CA 90502 Approval of NPC 1 Evaluated Building(s)

Dear William E. Gates:

We have reviewed your seismic evaluation report submitted for the referenced facility.

This letter constitutes an approval for the **NPC 1** non-structural seismic performance rating you have assigned for the following "hospital building(s)":

01A	Main Hospital Building - Patient To	NPC 1
01B	Main Hospital Building-North Wing	NPC 1
01C	Main Hospital Building - South Wing	NPC 1
01D	Main Hospital Building – Cafeteria	NPC 1
01E	Main Hospital Building – FCLC	NPC 1
02	PCDC Building	NPC 1
04A	Central Plant Building	NPC 1
04B	Central Plant West Expansion	NPC 1
07	Communications Building 2 East	NPC 1

If you need further information regarding SB 1953, you may visit our web site at www.oshpd.state.ca.us, or you may contact us through Ive Laske at (916) 654-3703.

Sincerely,

Chris Tokas Hospital Seismic Retrofit Program

Cc: File

Tecla Mickoseff, Administrator - Harbor UCLA Medical Center



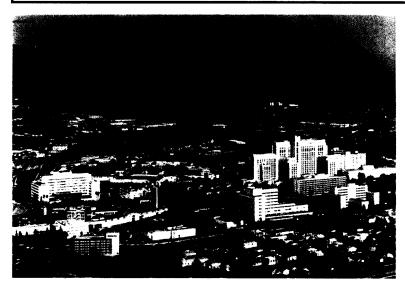


County of Los Angeles

SB 1953 SEISMIC EVALUATION AND RETROFIT

REVISED COMPLIANCE PLAN

LAC + USC Medical Center





November 16, 2006 OSHPD Facility #11810





COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

900 SOUTH FREMONT AVENUE ALHAMBRA, CALIFORNIA 91803-1331 Telephone: (626) 458-5100 www.ladpw.org

November 21, 2006

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460
IN REPLY PLEASE

REFER TO FILE: PJ-2

Mr. Chris Tokas
Office of Statewide Health Planning and Development
Facilities Development Division
1600 9th Street, Room 450
Sacramento, CA 95814

Dear Mr. Tokas:

LAC+USC MEDICAL CENTER
SENATE BILL 1953 REVISED COMPLIANCE PLAN
OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITY NO. 11810

In response to Senate Bill 1953 regulations, we are enclosing the revised Compliance Plan for LAC+USC Medical Center. This report is being submitted as an update to the original November 22, 2000, Compliance Plan and also responds to the Office of Statewide Health Planning and Development's review comments in Appendix B.

This report was prepared by URS Corporation. If you have any questions, please contact me at (626) 300-2333 or Mr. William E. Gates of URS Corporation at (213) 996-2379.

Very truly yours,

DONALD L. WOLFE
Director of Public Works

ANDREW K. MOEY Senior Capital Projects Manager Project Management Division I

GBB:nic

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Enc.

cc: Chief Administrative Office (Norm Braverman)
Department of Health Services (John Shubin)

URS

October 23, 2006

Mr. Andrew K. Moey
Capital Projects Program Manager
Project Management Division I, 5th Floor
Los Angeles County
Department of Public Works
900 South Fremont Avenue
Alhambra, California 91803 -1331

Re: SB 1953 Seismic Evaluation Project

Los Angeles County Contract #PW-11917

URS Project No. 29403740

Subj: Revised Compliance Plan

LAC+USC Medical Center

Dear Mr. Moey:

Enclosed are eight copies of the Revised Compliance Plan under SB 1953 for LAC+USC Medical Center. This report is being submitted for formal review by the hospital administration and approval by the Board of Supervisors.

Thank you for your review and assistance in completing this document. If you have any questions, please contact me at 213/996-2379.

Sincerely,

URS

William E. Gates, S.E.

Vice President



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	Year 2030
Section 5.0	Compliance Plan Schedule
Section 6.0	References
Appendix A	Summary of Senate Bill 1953 Requirements and Terminology
Appendix B	OSHPD Review Comments and Backchecks with Response



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SECTION 1

INTRODUCTION



SENATE BILL 1953 REVISED COMPLIANCE PLAN LAC + USC MEDICAL CENTER LOS ANGELES COUNTY

1.0 INTRODUCTION

1.1 Purpose

This report describes Los Angeles County's compliance plan to address the identified seismic deficiencies of the LAC+USC Medical Center as required by SB 1953 regulations.

1.2 Existing Hospital

The LAC+USC Medical Center is licensed for 1,417 beds including 1,357 general acute care beds and is located at 1200 North State Street, Los Angeles, California.

The Medical Center has ten buildings that are subject to SB 1953 evaluation and retrofit requirements:

- 01 General Hospital
- 02 Central Plant
- Women's and Children's Hospital
- 04 OPD Building
- 05 Electrical Station Zero
- 06 Telecommunications Building
- Women's and Children's Hospital Warehouse
- 08 Medical Records Trailer 7B
- 09 Pharmacy Building
- 10 Pharmacy Trailer T25A

All of these buildings have structural and/or nonstructural seismic deficiencies that require upgrade by the 2002, 2008, and 2030 milestone dates as described in this report. Figure 3-1 illustrates the existing 2000 year Site Plan for this hospital campus.

1.3 New Construction

Four new buildings are now planned to replace the noncompliant General Hospital Building and its supporting acute care facilities by 2006 and 2007, in time to meet the 2008 milestone deadline. These new buildings are shown on Figures 3-3 and 3-4 and will occupy an area where non-SB 1953 hospital buildings were recently demolished. The new replacement hospital buildings will consist of a Central Plant Building (11) completed in 2006, and a Diagnostic and Treatment Building (12) and an Inpatient Tower (13) to be completed in 2007. The Diagnostic and Treatment Building (12) is 5 stories and base-isolated. The Inpatient Tower (13) is 8 stories and licensed for 600



beds. A fourth building added to the new replacement campus will be a 7-story, non-acute care Outpatient Tower.

1.4 Assumptions

The California Constitution prohibits the County of Los Angeles (County) from incurring any indebtedness or liability which would exceed in any one fiscal year the income and revenue of the County for such year, without the assent of two-thirds of the qualified voters of the County. Accordingly, the County cannot commit to make the required retrofits to the facility unless and until it has encumbered all the funds required to pay for the retrofits. Such encumbrances do not occur until specific contracts are approved for funding by the County. Such contracts cannot be approved until an environmental assessment of the retrofits is completed.

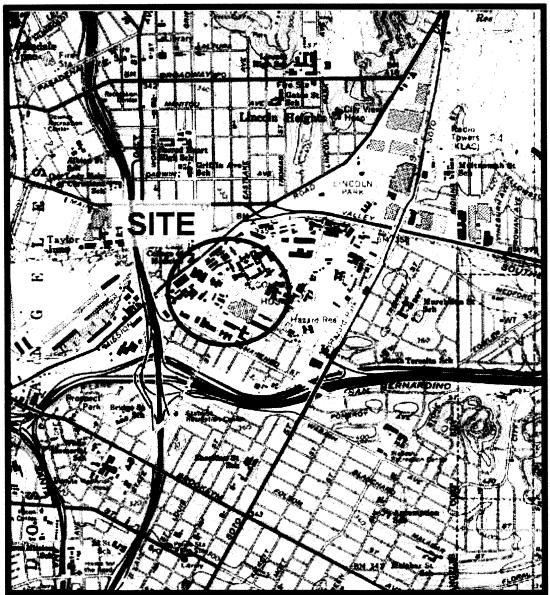
At this time, we believe that the replacement hospital project will fulfill the County's need to provide medical services beyond 2030.

1.5 Report Content

- Introduction
- Site vicinity map and building photographs
- Narrative description of compliance plan for various SB 1953 milestone dates
- Compliance site plans for various SB 1953 milestone dates
- Existing and planned building status matrices
- Schedule for design and construction of the planned activities
- References
- SB 1953 Requirements and Terminology (Appendix A)
- OSHPD Review Comments and Backchecks with response (Appendix B)



1.6 Vicinity Maps and Photographs



VICINITY MAP

Los Angeles, California

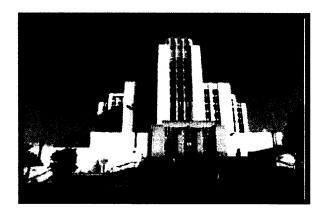
LAC+USC MEDICAL CENTER

Los Angeles County





LAC + USC MEDICAL CENTER SITE



GENERAL HOSPITAL



WOMEN'S AND CHILDREN'S HOSPITAL



HEALTH SERVICES SCULPTURAL RELIEF

PHOTOGRAPHS

LAC+USC MEDICAL CENTER

Los Angeles County



SECTION 2

COMPLIANCE PLAN DESCRIPTION



2.0 COMPLIANCE PLAN DESCRIPTION

Los Angeles County's LAC+USC Medical Center in Torrance, California, currently consists of 103 buildings on a campus of 72 acres. Of these buildings, ten are Acute Care Hospital Buildings that are included under SB 1953.

2.1 By the Year 2002

The County provided bracing and anchorage of the following systems to achieve an NPC-2 rating for all SB 1953 related buildings and equipment on the site:

- Communications Systems
- Fire Alarm Systems
- Emergency Power Systems
- Emergency Lights and Signs

The bulk medical gas storage systems were installed with OSHPD approvals and are already compliant.

2.2 By the Year 2008

All existing noncompliant buildings will be delicensed and replaced. These include:

- General Hospital (01)
- Central Plant (02)
- Women's and Children's Hospital (03)
- OPD Building (04)
- Electrical Station Zero (05)
- Telecommunications Building (06)
- Women's and Children's Hospital Warehouse (07)
- Medical Records Trailer 7B (08)
- Pharmacy Building (09)
- Pharmacy Trailer T25A (10)

The following buildings will be added to the Medical Center as replacements:

- Central Plant Building (11)
- Diagnostic and Treatment Building (12)
- Inpatient Tower (13)

These buildings will provide the services delicensed in the noncompliant buildings. In addition a new Outpatient Tower will be added to the campus as a nonhospital facility.

2.2 By the Year 2030

New buildings constructed before 2008 will be fully compliant with SPC-5 and NPC-5 ratings. These are the following:

- Central Plant Building (11)
- Diagnostic and Treatment Building (12)
- Inpatient Tower (13)

2.0 COMPLIANCE PLAN DESCRIPTION

Los Angeles County's LAC+USC Medical Center in Torrance, California, currently consists of 103 buildings on a campus of 72 acres. Of these buildings, ten are Acute Care Hospital Buildings that are included under SB 1953.

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- OPD Building (04)
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- Pharmacy Building (09)
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- Diagnostic and Treatment Building (12)
- Inpatient Tower (13)

These buildings will provide the services delicensed in the noncompliant buildings. In addition a new Outpatient Tower will be added to the campus as a nonhospital facility.

2.2 By the Year 2030

New buildings constructed before 2008 will be fully compliant with SPC-5 and NPC-5 ratings. These are the following:

• Central Plant Building (11)

Diagnostic and Treatment Building (12)

• Inpatient Tower (13)

Perview (12)



SECTION 3

COMPLIANCE SITE PLANS



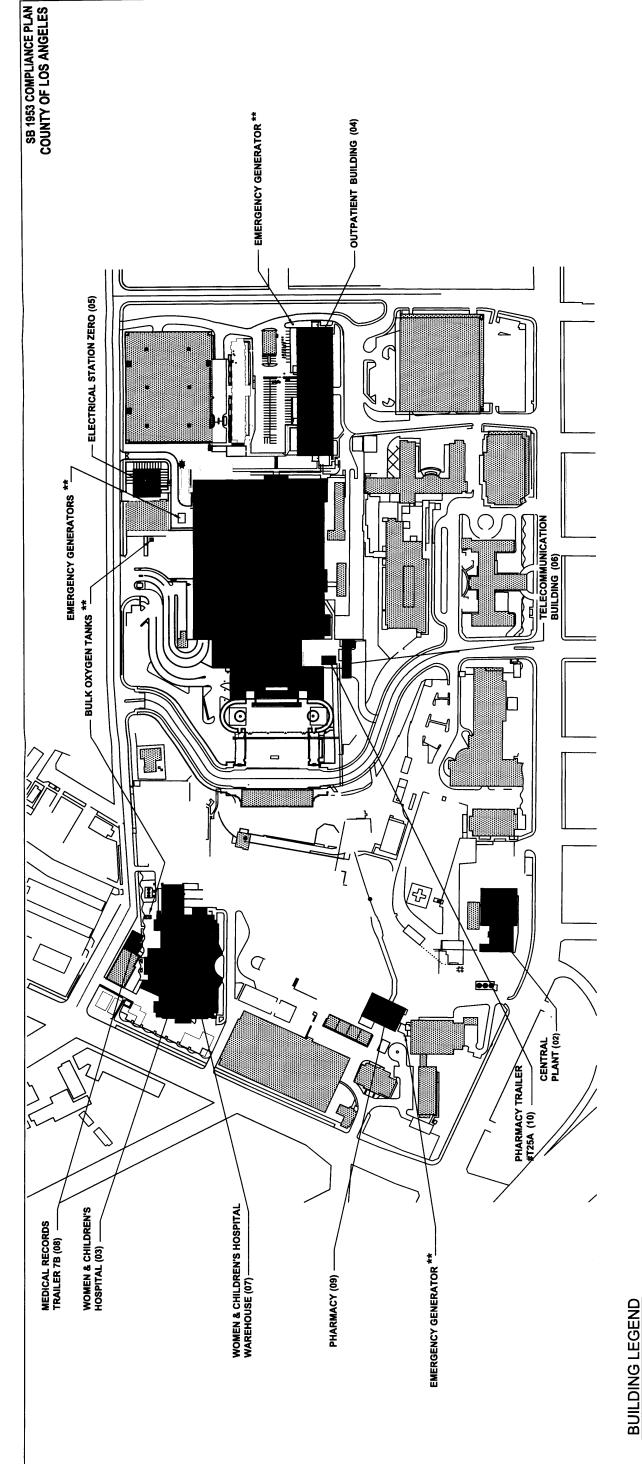


FIGURE 3-1 **EXISTING**



SB1953 RATING

2000 SITE PLAN

LAC + USC MEDICAL CENTER

SB 1953 SEISMIC EVALUATION

OSHPD FACILITY #11810

| TRUCTURAL | NPC-1 |
|-----------|-------|-------|-------|-------|-------|-------|-------|

	NON STRUCTURAL	NPC-1	NPC-1	NPC-1	NPC-1	NPC-1	NPC-1	NPC-1	NPC-1	NPC-1	NPC-1
	STRUCTURAL	SPC-1	SPC-1	SPC-1	SPC-1	SPC-1	SPC-1	SPC-1	SPC-1	SPC-1	SPC-1
1	NO. OF STORIES	19+B	1	10+B	ß	8	2	1	1	4+B	ļ
	PERMIT DATE	1932	1964	1959	1961	1976	1957	1982	1994	1910	N/A
	BUILDING NAME	GENERAL HOSPITAL BUILDING	CENTRAL PLANT	WOMEN & CHILDREN'S HOSPITAL	OPD BUILDING	ELECTRICAL STATION ZERO	TELECOMMUNICATION BUILDING	WOMEN & CHILDREN'S HOSPITAL WAREHOUSE	MEDICAL RECORDS TRAILER 7B	PHARMACY BUILDING	PHARMACY TRAILER #T25A
֡	BLDG. ID	10	02	03	90	95	90	07	80	60	10

t 4 t	1	2	,	α
1994 1910 N/A	1982	1957		1976
MEDICAL RECORDS TRAILER 7B PHARMACY BUILDING PHARMACY TRAILER #T25A	WOMEN & CHILDREN'S HOSPITAL WAREHOUSE	TELECOMMUNICATION BUILDING	STATION ZERO	ELECTRICAL
00 01	07	90		05
MEDICAL RECORDS TRAILER 7B PHARMACY BUILDING PHARMACY TRAILER	WOMEN & CHILDREN'S HOSPITAL WAREHOUSE	TELECOMMUNICATION BUILDING		ELECTRICAL

DELICENSED AND DEMOLISHED BUILDING

DOES NOT FALL UNDER SB 1953 REVIEW

EQUIPMENT ONLY

**

 \subset

IN COMPLIANCE WITH THE REQUIREMENTS BEYOND YEAR 2008 (UNTIL 2030)

REQUIRES NON STRUCTURAL RETROFIT ONLY

REQUIRES STRUCTURAL & NON STRUCTURAL RETROFIT

DELICENSED BUILDING

IN COMPLIANCE WITH THE REQUIREMENTS BEYOND YEAR 2030



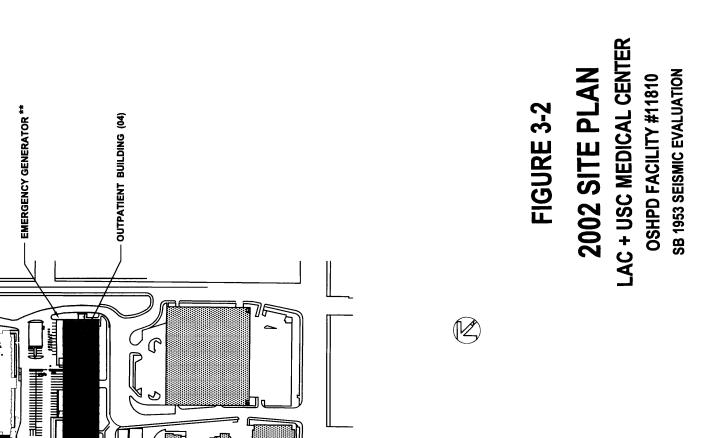
NPC-2

NPC-2

NPC-2

SPC-1

× ×



BUILDING (06)





IN COMPLIANCE WITH THE REQUIREMENTS BEYOND YEAR 2030



REQUIRES NON STRUCTURAL RETROFIT ONLY



REQUIRES STRUCTURAL & NON STRUCTURAL RETROFIT



DELICENSED BUILDING

DELICENSED AND DEMOLISHED BUILDING DOES NOT FALL UNDER SB 1953 REVIEW



IN COMPLIANCE WITH THE REQUIREMENTS BEYOND YEAR 2008 (UNTIL 2030)

NON STRUCTURAL NPC-2

SB1953 RATING

NPC-2

NPC-2

NPC-2

NPC-2

NPC-2





EQUIPMENT ONLY

WOMEN & CHILDREN'S HOSPITAL WAREHOUSE (07)

PHARMACY (09)

SB 1953 COMPLIANCE PLAN COUNTY OF LOS ANGELES

- ELECTRICAL STATION ZERO (05)

EMERGENCY GENERATORS **

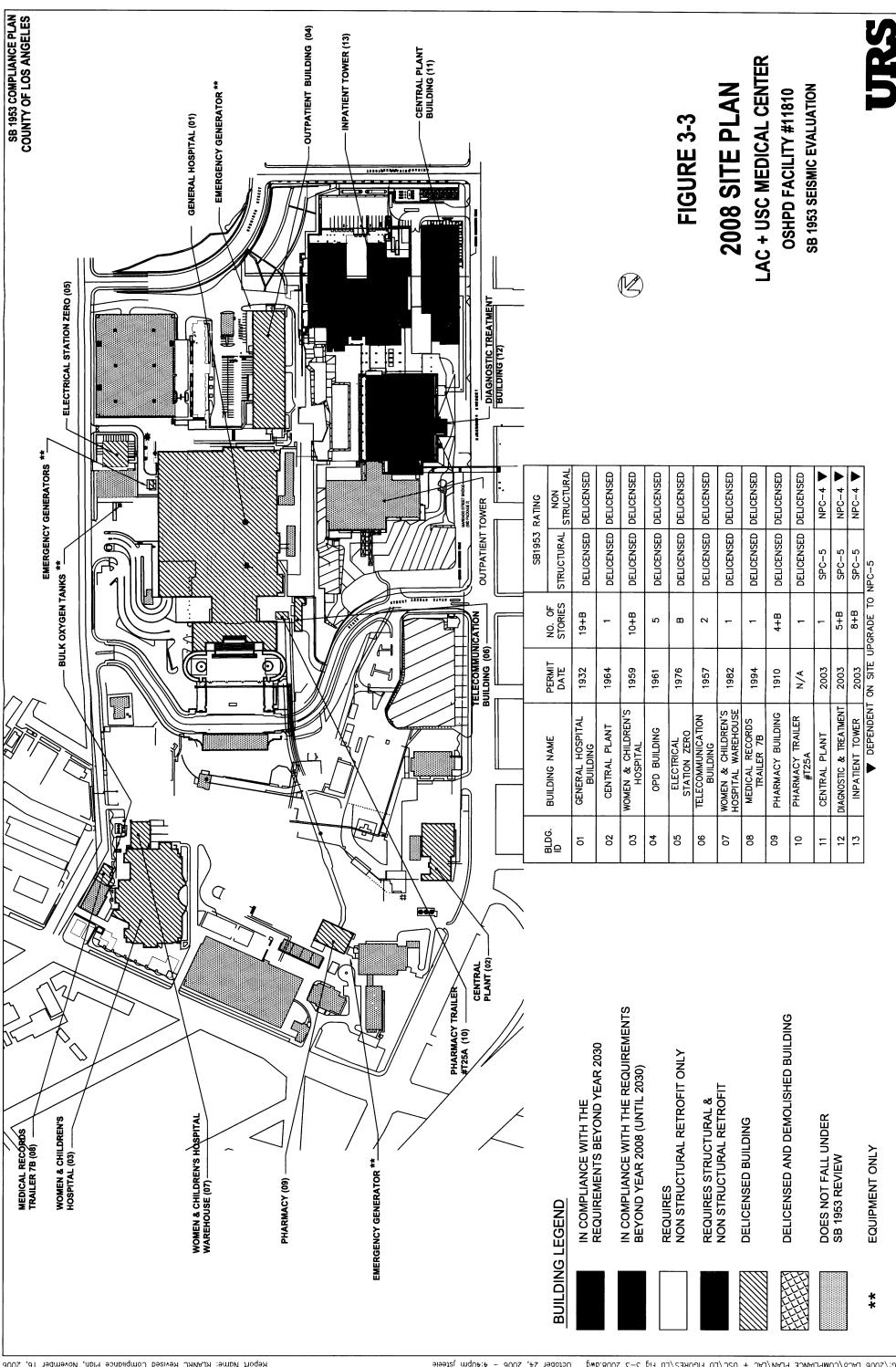
BULK OXYGEN TANKS **

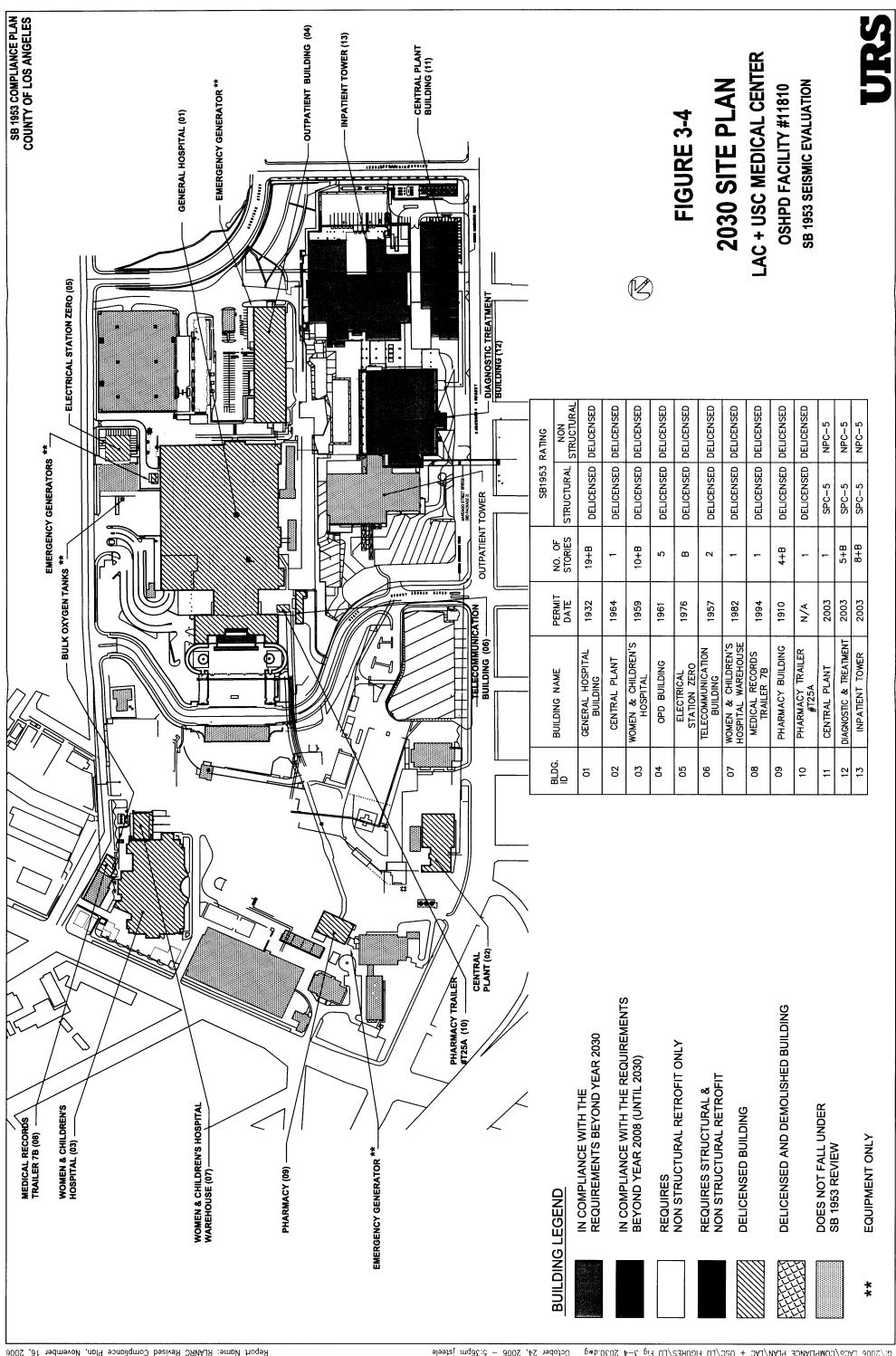
WOMEN & CHILDREN'S HOSPITAL (03)

MEDICAL RECORDS TRAILER 7B (08) —

PHARMACY TRAILER *T25A (10)

EMERGENCY GENERATOR







SECTION 4

EXISTING AND PLANNED BUILDING MATRICES



Table 4-1 LAC+USC MEDICAL CENTER Existing at 2000 and Planned Buildings Matrix for 2002

STEN	Building	Bldg ⁽¹⁾ Type	SPC ⁽¹⁾ Existing	SPC Planned	NPC ⁽¹⁾ Existing	NPC Planned	Status By ⁽²⁾
01	General Hospital	9,6	1	1	1	2	2002 ^(R)
02	Central Plant	13	1	1	1	2	2002 ^(R)
03	Women's and Children's Hospital	9	. 1	1	1	2	2002 ^(R)
04	OPD Building	9	1	1	1	2	2002 ^(R)
05	Electric "Station Zero"	9	1	1	1	2	2002 ^(R)
06	Telecommunications Building	9	1	1	1	2	2002 ^(R)
07	Women's and Children's Hospital Warehouse	13	1	1	1	2	2002 ^(R)
08	Medical Records Trailer 7B	1	1	1	1	2	2002 ^(R)
09	Pharmacy Building	10	1	1	1	2	2002 ^(R)
10	Pharmacy Trailer T25A	1	1	1	1	2	2002 ^(R)

⁽¹⁾ Refer to Appendix A for definition of heading terms and abbreviations
(2) Status by: may include retrofit (R), delicensed (D), or new construction (N). NC indicates no change in status for the stated period



Table 4-2 **LAC+USC MEDICAL CENTER** Existing at 2002 and Planned Buildings Matrix for 2008

STEN	Building	Bldg ⁽¹⁾ Type	SPC ⁽¹⁾ Existing	SPC Planned	NPC ⁽¹⁾ Existing	NPC Planned	Status By ⁽²⁾
01	General Hospital	9,6	1	Delicensed	2	Delicensed	2008 ^(D)
02	Central Plant	13	1	Delicensed	2	Delicensed	2008 ^(D)
03	Women's and Children's Hospital	9	1	Delicensed	2	Delicensed	2008 ^(D)
04	OPD Building	9	1	Delicensed	2	Delicensed	2008 ^(D)
05	Electric "Station Zero"	9	1	Delicensed	2	Delicensed	2008 ^(D)
06	Telecommunications Building	9	1	Delicensed	2	Delicensed	2008 ^(D)
07	Women's and Children's Hospital Warehouse	13	1	Delicensed	2	Delicensed	2008 ^(D)
08	Medical Records Trailer 7B	1	1	Delicensed	2	Delicensed	2008 ^(D)
09	Pharmacy Building	10	1	Delicensed	2	Delicensed	2008 ^(D)
10	Pharmacy Trailer T25A	1	1	Delicensed	2	Delicensed	2008 ^(D)
11	Central Plant	9	N/A	5	N/A	4	2006 ^(N)
12	Diagnostic and Treatment	4, BI	N/A	5	N/A	4	2007 ^(N)
13	Inpatient Tower	4	N/A	5	N/A	4	2007 ^(N)

⁽¹⁾ Refer to Appendix A for definition of heading terms and abbreviations
(2) Status by: may include retrofit (R), delicensed (D), or new construction (N). NC indicates no change in status for the stated period



Table 4-3 LAC+USC MEDICAL CENTER Existing at 2008 and Planned Buildings Matrix for 2030

STEN	Building	Bldg ⁽¹⁾ Type	SPC ⁽¹⁾ Existing	SPC Planned	NPC ⁽¹⁾ Existing	NPC Planned	Status By ⁽²⁾
01	General Hospital	9,6	Delicensed	Delicensed	Delicensed	Delicensed	NC
02	Central Plant	13	Delicensed	Delicensed	Delicensed	Delicensed	NC
03	Women's and Children's Hospital	9	Delicensed	Delicensed	Delicensed	Delicensed	NC
04	OPD Building	9	Delicensed	Delicensed	Delicensed	Delicensed	NC
05	Electric "Station Zero"	9	Delicensed	Delicensed	Delicensed	Delicensed	NC
06	Telecommunications Building	9	Delicensed	Delicensed	Delicensed	Delicensed	NC
07	Women's and Children's Hospital Warehouse	13	Delicensed	Delicensed	Delicensed	Delicensed	NC
08	Medical Records Trailer 7B	1	Delicensed	Delicensed	Delicensed	Delicensed	NC
09	Pharmacy Building	10	Delicensed	Delicensed	Delicensed	Delicensed	NC
10	Pharmacy Trailer T25A	1	Delicensed	Delicensed	Delicensed	Delicensed	NC
11	Central Plant	9	5	5	4	5	2030 ^(R)
12	Diagnostic and Treatment	4, BI	5	5	4	5	2030 ^(R)
13	Inpatient Tower	4	5	5	4	5	2030 ^(R)

Refer to Appendix A for definition of heading terms and abbreviations
Status by: may include retrofit (R), delicensed (D), or new construction (N). NC indicates no change in status for the stated

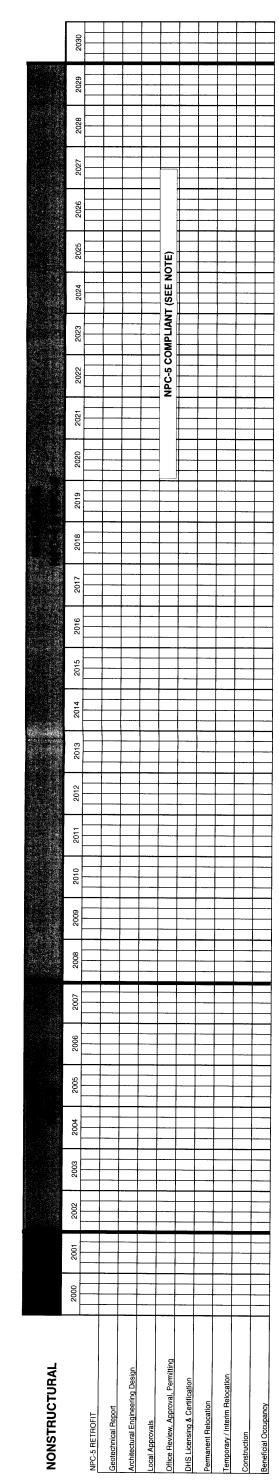


COMPLIANCE PLAN SCHEDULE

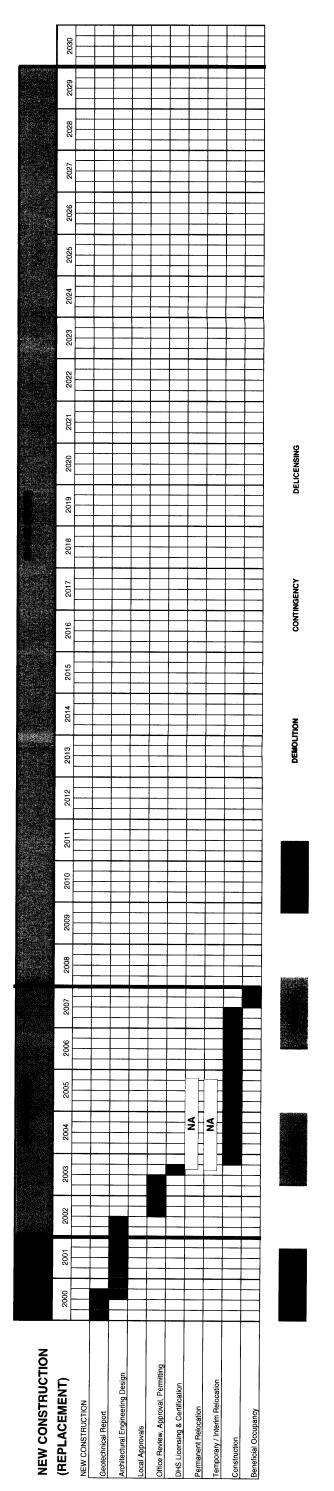
HOSPITAL BUILDING (STEN) NUMBERS: [FIGURE NOT CURRENTLY IN USE]

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STRUCTURAL &																															
NONSTRUCTURAL	2000	2001	2002	2003	2004	2005	2006	2007	2008	5009	2010	2011	2012	2013	2014	2015	2016	2017	2018	 ğ	0 2021	20 13	2022 20	2023	 2025	2026	2027	2028	2029	2030	
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Architectural Engineering Design																															I .
Local Approvals																															1
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DHS Licensing & Certification																															T
Permanent Relocation																															
Temporary / Interim Relocation																															T
Construction																															T
Beneficial Occupancy																															
									Ann T					DEMOLITION	NOIL		CONI	CONTINGENCY		DELICENSING	<u>N</u> G]
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NOTE: ALL NPC COMPLIANCE IS INCLUDED IN DESIGN AND CONSTRUCTION OF NEW REPLACEMENT HOSPITAL BUILDINGS







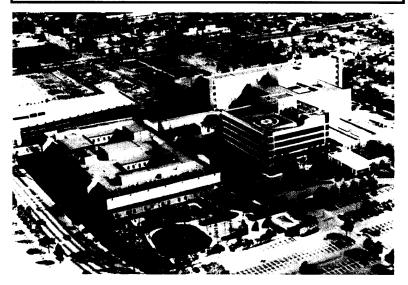
CALIFORNI

County of Los Angeles

SB 1953 SEISMIC EVALUATION AND RETROFIT

REVISED COMPLIANCE PLAN

Martin Luther King, Jr. / Drew Medical Center





November 16, 2006 OSHPD Facility #12259





COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

900 SOUTH FREMONT AVENUE ALHAMBRA, CALIFORNIA 91803-1331 Telephone: (626) 458-5100 www.ladpw.org

ADDRESS ALL CORRESPONDENCE TO: P.O. BOX 1460 ALHAMBRA, CALIFORNIA 91802-1460

IN REPLY PLEASE

REFER TO FILE: PJ-2

November 21, 2006

Mr. Chris Tokas
Office of Statewide Health Planning and Development
Facilities Development Division
1600 9th Street, Room 450
Sacramento, CA 95814

Dear Mr. Tokas:

MARTIN LUTHER KING, JR./DREW MEDICAL CENTER SENATE BILL 1953 REVISED COMPLIANCE PLAN OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITY NO. 15801

In response to Senate Bill 1953 regulations, we are enclosing the revised Compliance Plan for Martin Luther King, Jr./Drew Medical Center. This report is being submitted as an update to the original November 22, 2000, Compliance Plan and in response to the Office of Statewide Health Planning and Development's review comments in Appendix B.

This report was prepared by URS Corporation. If you have any questions, please contact me at (626) 300-2333 or Mr. William E. Gates of URS Corporation at (213) 996-2379.

Very truly yours,

DOWALD L. WOLFE Director of Public Works

ANDREW K. MOEY
Senior Capital Projects Manager
Project Management Division I

GBB:njc

U:\pmdl\health\SB1953\sb1953\MLK trans LACo Plan to OSHPD.doc

Enc.

cc: Chief Administrative Office (Dawn McDivitt)
Department of Health Services (John Shubin)

October 23, 2006

Mr. Andrew K. Moey
Capital Projects Program Manager
Project Management Division I, 5th Floor
Los Angeles County
Department of Public Works
900 South Fremont Avenue
Alhambra, California 91803 -1331

Re:

SB 1953 Seismic Evaluation Project

Los Angeles County Contract #PW-11917

URS Project No. 29403740

Subj:

Revised Compliance Plan

Martin Luther King, Jr. / Drew Medical Center

Dear Mr. Moey:

Enclosed are eight copies of the Revised Compliance Plan under SB 1953 for the Martin Luther King, Jr. / Drew Medical Center. This report is being submitted for formal review by the hospital administration and approval by the Board of Supervisors.

Thank you for your review and assistance in completing this document. If you have any questions, please contact me at 213/996-2379.

Sincerely,

URS

William E. Gates, S.E.

Vice President

cc: Esther Diaz



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1.3 Assumptions

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2.2 Year 2013

2.3 Year 2030

Section 3.0 Compliance Site Plans

Existing Site Plan

Year 2002

Year 2013

Year 2030

Section 4.0 Existing and Planned Buildings Matrices

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Year 2013

Year 2030

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Appendix B OSHPD Review Comments and Backchecks with Response



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INTRODUCTION



SENATE BILL 1953 REVISED COMPLIANCE PLAN MARTIN LUTHER KING, JR. / DREW MEDICAL CENTER LOS ANGELES, CALIFORNIA

1.0 INTRODUCTION

1.1 Purpose

This report describes Los Angeles County's compliance plan to address the identified seismic deficiencies of the Martin Luther King, Jr. / Drew Medical Center as required by SB 1953 regulations.

1.2 Existing Hospital

The Martin Luther King, Jr. / Drew Medical Center is licensed for 513 beds including 437 general acute care beds and is located at 12021 South Wilmington Avenue, Los Angeles, California.

At the time of the initial November 22, 2000 Compliance Plan, the Medical Center had twelve buildings that were subject to SB 1953 evaluation and retrofit requirements:

01A	Main Hospital Building - Central Tower
01B	Main Hospital Building - North Tower
01C	Main Hospital Building – South Tower
01D	Emergency Waiting Room
02	Medical Records and Laundry
03A	Central Plant Phase I
03B	Central Plant Phase II
04A	Cooling Tower
04B	Cooling Tower Additions 1 & 2
06	Pediatric Acute Care
07	Trauma Center
08	Hawkins Building

Several of these buildings were found to have structural and/or nonstructural seismic deficiencies that required upgrade by the 2002, 2013, and 2030 milestone dates as described in this report.



1.3 Assumptions

The California Constitution prohibits the County of Los Angeles (County) from incurring any indebtedness or liability which would exceed in any one fiscal year the income and revenue of the County for such year, without the assent of two-thirds of the qualified voters of the County. Accordingly, the County cannot commit to make the required retrofits to the facility unless and until it has encumbered all the funds required to pay for the retrofits. Such encumbrances do not occur until specific contracts are approved for funding by the County. Such contracts cannot be approved until an environmental assessment of the retrofits is completed.

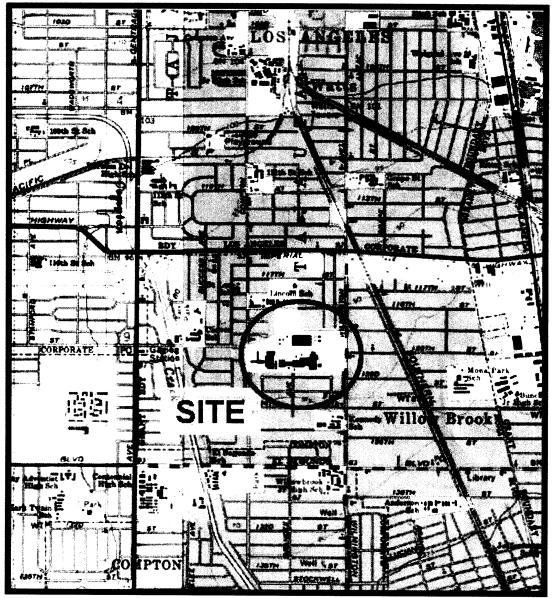
Los Angeles County's needs for medical services in the year 2030 and beyond is unknown at this time. Therefore, the seismic upgrade requirements for the year 2030 milestone date have not been studied. Considering the stringent structural and nonstructural seismic performance requirements for the year 2030 milestone, retrofit of the existing buildings is generally considered unfeasible. Thus, the buildings identified as structurally deficient are assumed to be delicensed by 2030 and may be replaced with new seismically conforming buildings if the County determines that replacement of some or all of the acute care beds is necessary to meet the County's health care needs at that time.

1.4 Report Content

- Introduction
- Site vicinity map and building photographs
- Narrative description of compliance plan for various SB 1953 milestone dates
- Compliance site plans for various SB 1953 milestone dates
- Existing and planned building status matrices
- Schedule for design and construction of the planned activities
- References
- SB 1953 Requirements and Terminology (Appendix A)
- OSHPD Review Comments and Backchecks with response (Appendix B)



1.5 Vicinity Map and Photographs



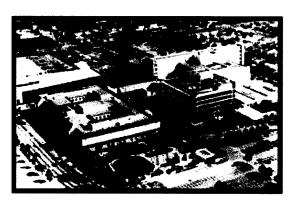
VICINITY MAP

Los Angeles, California

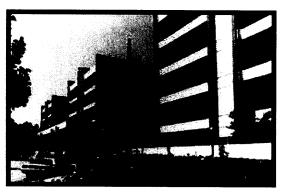
MARTIN LUTHER KING, JR. / DREW MEDICAL CENTER

Los Angeles County





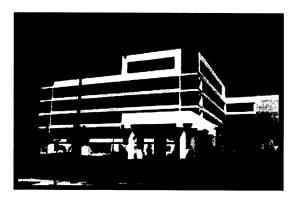
MARTIN LUTHER KING, JR. /
DREW MEDICAL CENTER



MAIN HOSPITAL BUILDING (EAST ELEVATION)



HAWKINS BUILDING



TRAUMA CENTER

PHOTOGRAPHS

MARTIN LUTHER KING, JR. / DREW MEDICAL CENTER Los Angeles County



COMPLIANCE PLAN DESCRIPTION



2.0 COMPLIANCE PLAN DESCRIPTION

As of this year (2006), Los Angeles County's Martin Luther King, Jr. / Drew Medical Center in Los Angeles, California, consists of 17 buildings on a campus of 38 acres. Of these buildings, 12 are acute care hospital buildings that are included in this report under SB 1953.

2.1 By the Year 2002

The County will provide bracing and anchorage of the following systems to achieve an NPC-2 rating for all SB 1953 related buildings and equipment on the site:

- Communications Systems
- Fire Alarm Systems
- Emergency Power Systems
- Emergency Lights and Signs

The bulk medical gas storage systems were installed with OSHPD approvals and are already compliant.

The following buildings will meet or exceed SPC-2 and NPC-3 ratings when brought into compliance with NPC-2 requirements:

- Emergency Waiting Room (01D)
- Medical Records & Laundry (02)
- Pediatric Acute Care (06)
- Trauma Center (07)

2.2 By the Year 2013

The County will have upgraded the following SPC-1 and/or NPC-2 buildings to an SPC-2 and NPC-3 rating:

- Main Hospital Building Central Tower (01A)
- Main Hospital Building North Tower (01B)
- Main Hospital Building South Tower (01C)



The following buildings are SPC-4 and will be upgraded from NPC-2 to NPC-3:

- Central Plant Phase I (03A)
- Central Plant Phase II (03B)

The following SPC-1 and NPC-2 building structures will be upgraded to SPC-2 and NPC-3 rating (by 2003):

- Cooling Tower Original (04A)
- Cooling Tower Additions 1 & 2 (04B)

The following SPC-4 and NPC-2 building will be upgraded to NPC-3 rating (by 2003):

• Hawkins Building (08)

All other buildings on campus are functionally independent of the hospital and require no SB 1953 upgrade work.

2.3By the Year 2030

The site and SPC-5/NPC-4 compliant Trauma Center (07) will be brought up to NPC-5 requirements.

The remaining buildings will be delicensed and replaced, as necessary, with new seismically conforming buildings.



The following buildings are SPC-4 and will be upgraded from NPC-2 to NPC-3:

- Central Plant Phase I (03A)
- Central Plant Phase II (03B)

The following SPC-1 and NPC-2 building structures will be upgraded to SPC-2 and NPC-3 rating (by 2003):

- Cooling Tower Original (04A)
- Cooling Tower Additions 1 & 2 (04B)

The following SPC-4 and NPC-2 building will be upgraded to NPC-3 rating (by 2003):

• Hawkins Building (08)

All other buildings on campus are functionally independent of the hospital and require no SB 1953 upgrade work.

2.3By the Year 2030

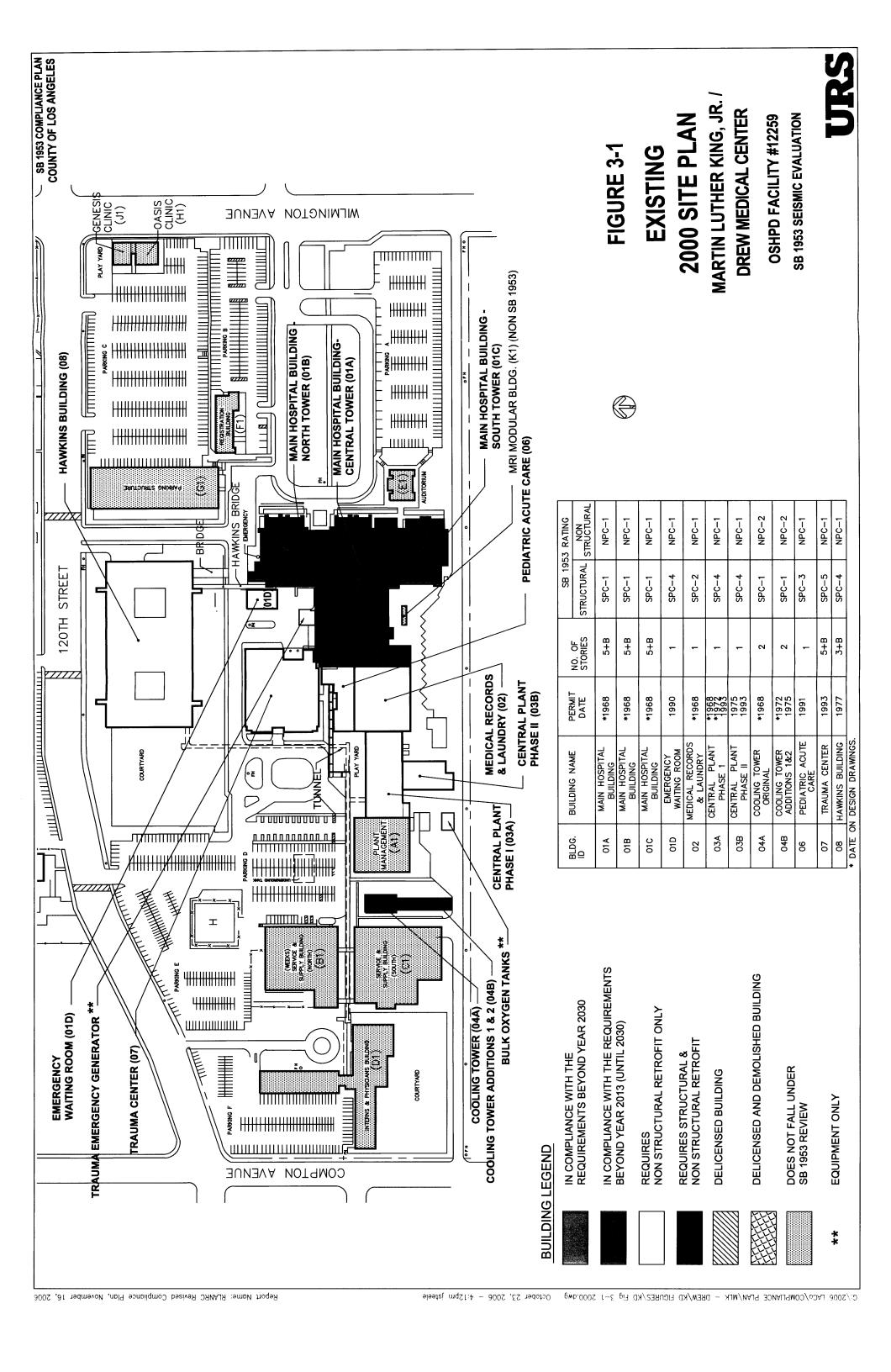
The site and SPC-5/NPC-4 compliant Trauma Center (07) will be brought up to NPC-5 requirements.

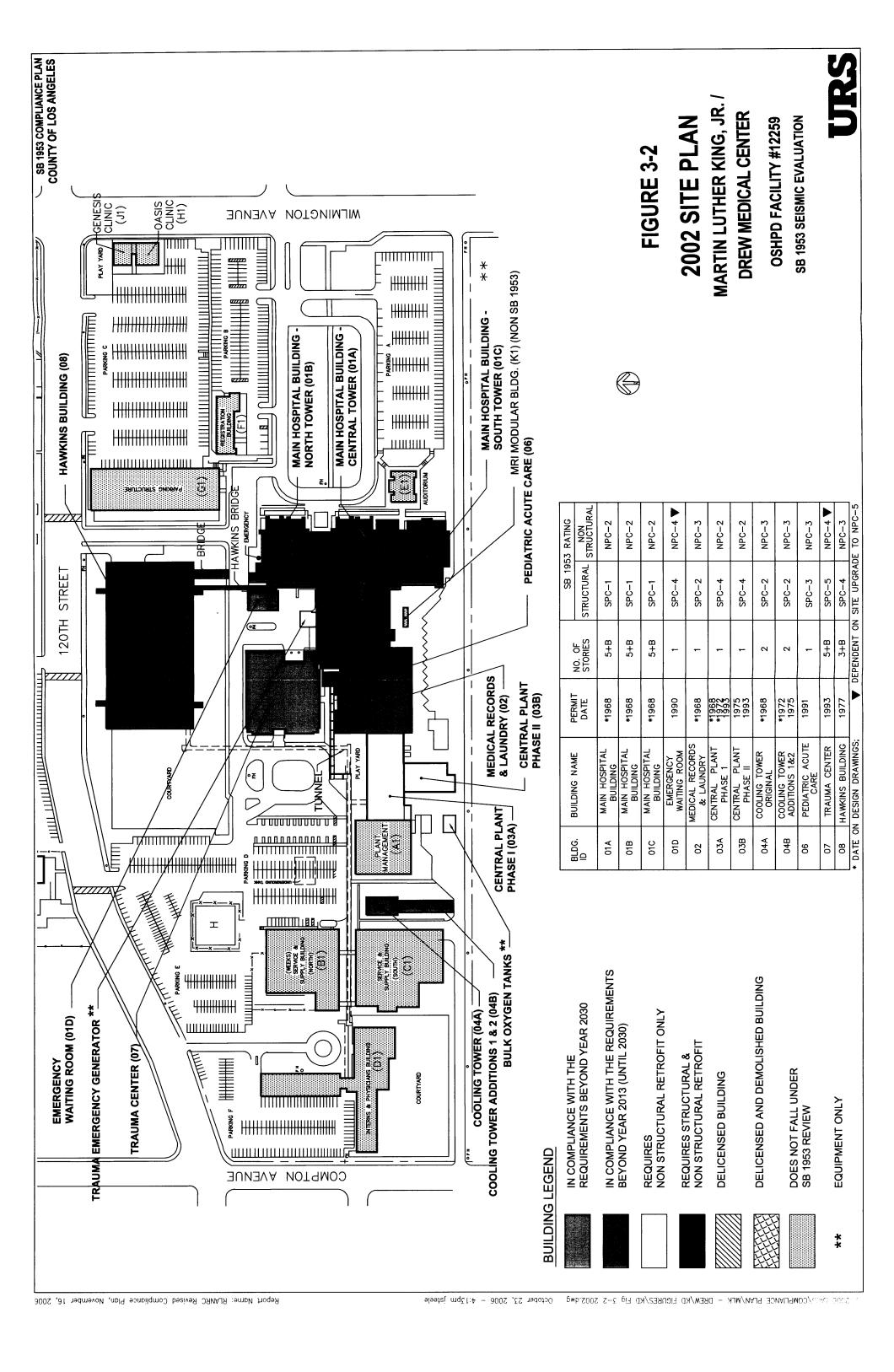
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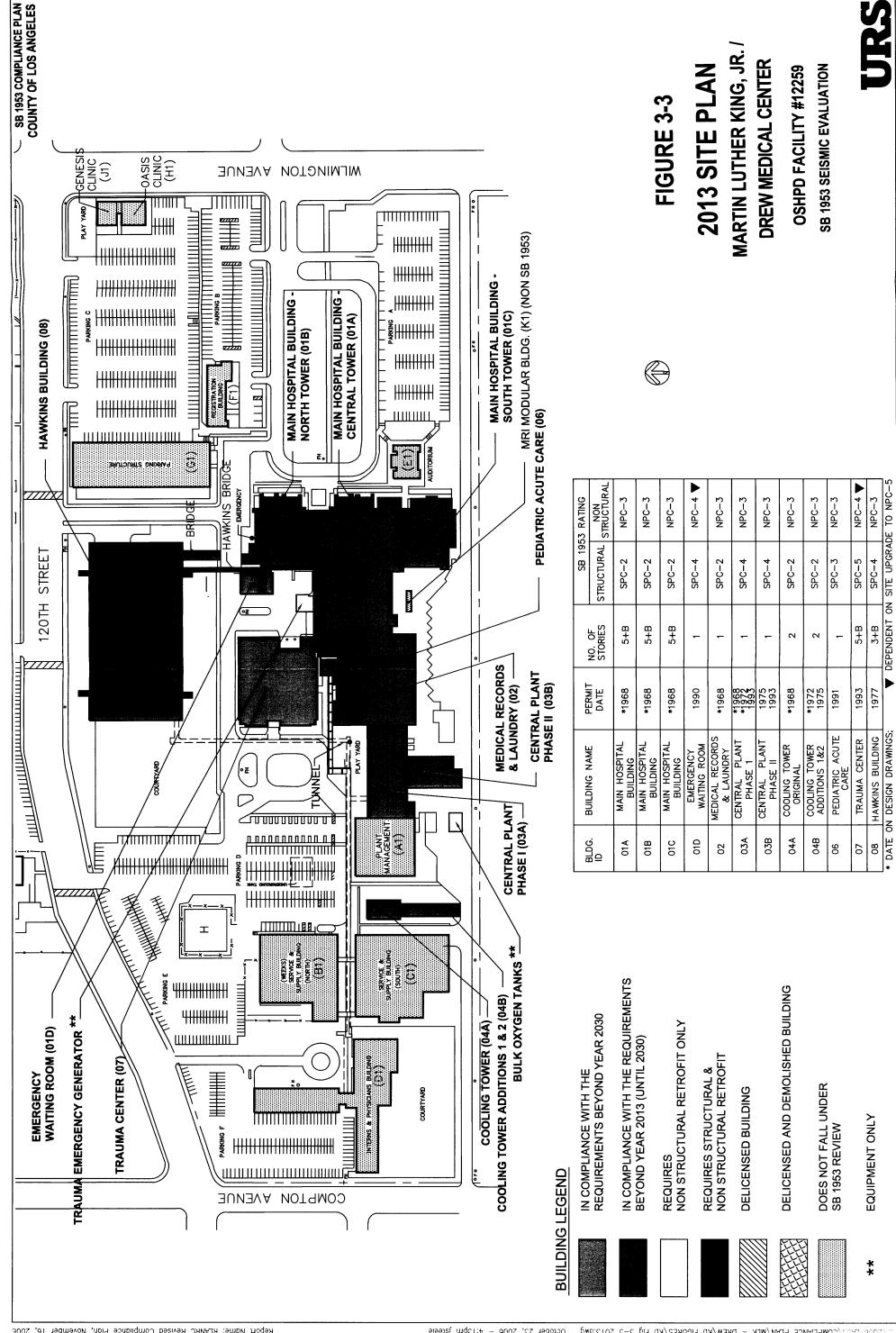
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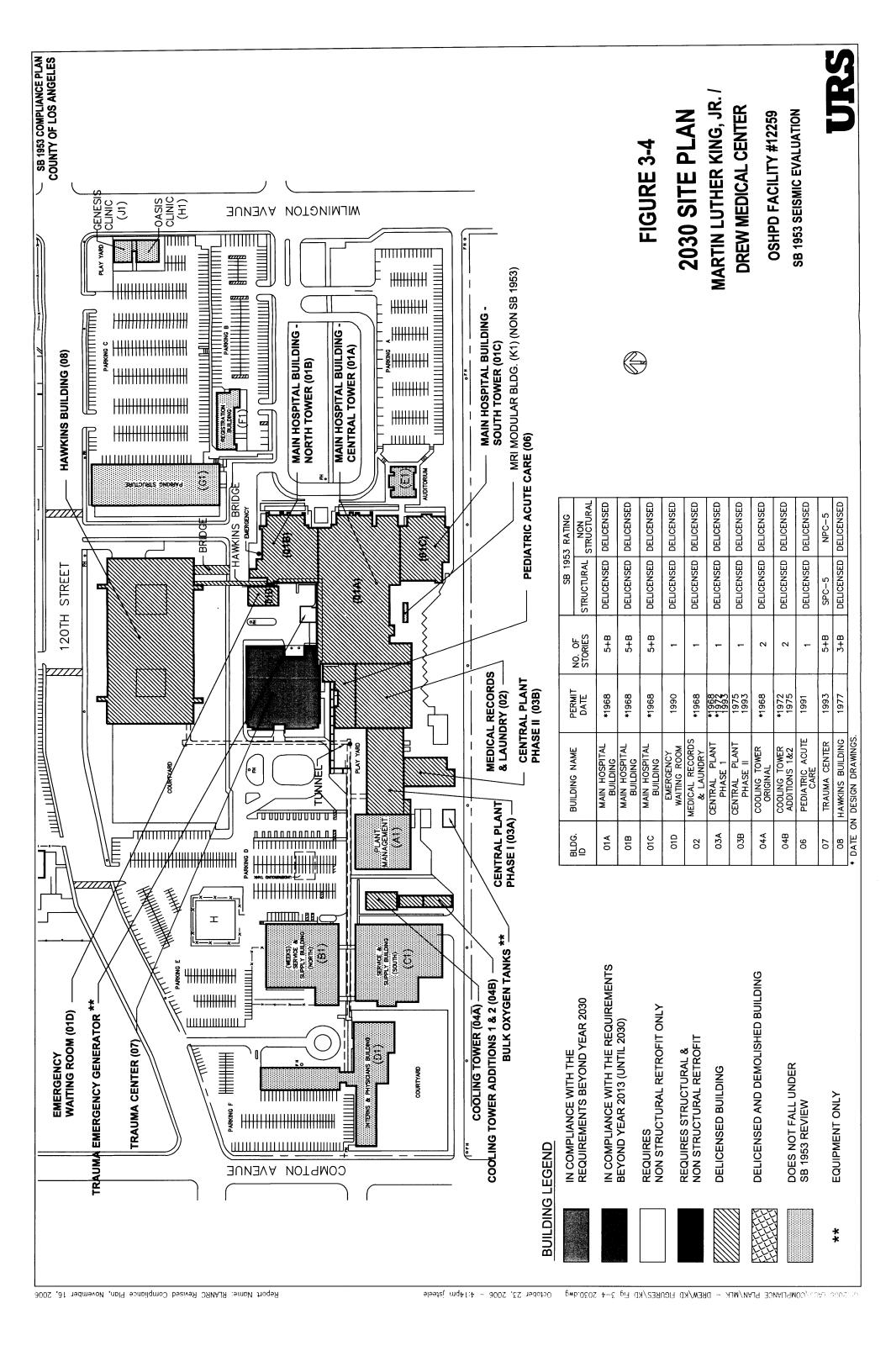


COMPLIANCE SITE PLANS











EXISTING AND PLANNED BUILDING MATRICES



Table 4-1

MARTIN LUTHER KING, JR. / DREW MEDICAL CENTER

Existing at 2000 and Planned Buildings Matrix for 2002

STEN	Building	Bldg ⁽¹⁾ Type	SPC ⁽¹⁾ Existing	SPC Planned	NPC ⁽¹⁾ Existing	NPC Planned	Status By ⁽²⁾
01A	Main Hospital Bldg - Central Tower	9	1	1	1	2	2002 ^(R)
01B	Main Hospital Bldg - North Tower	9	1	1	1	2	2002 ^(R)
01C	Main Hospital Bldg - South Tower	9	1	1	1	2	2002 ^(R)
01D	Emergency Waiting Room	13	4	4	1	4	2002 ^(R)
02	Medical Records & Laundry	9	2	2	1	3	2002 ^(R)
03A	Central Plant - Phase I	9	4	4	1	2	2002 ^(R)
03B	Central Plant - Phase II	9	4	4	1	2	2002 ^(R)
04A	Cooling Tower (Original)	8, 4	1	2	2	3	2002 ^(R)
04B	Cooling Tower Additions 1 & 2	8, 9, 4	1	2	2	3	2002 ^(R)
06	Pediatric Acute Care	3, 4	3	3	1	3	2002 ^(R)
07	Trauma Center	4, BI	5	5	1	4	2002 ^(R)
08	Hawkins Building	9	4	4	1	3	2002 ^(R)

⁽¹⁾ Refer to Appendix A for definition of heading terms and abbreviations

Status by: may include retrofit (R), delicensed (D), or new construction (N). NC indicates no change in status for the stated period



Table 4-2
MARTIN LUTHER KING, JR. / DREW MEDICAL CENTER
Existing at 2002 and Planned Buildings Matrix for 2013

STEN	Building	Bldg ⁽¹⁾ Type	SPC ⁽¹⁾ Existing	SPC Planned	NPC ⁽¹⁾ Existing	NPC Planned	Status By ⁽²⁾
01A	Main Hospital Bldg - Central Tower	9	1	2	2	3	2013 ^(R)
01B	Main Hospital Bldg - North Tower	9	1	2	2	3	2013 ^(R)
01C	Main Hospital Bldg - South Tower	9	. 1	2	2	3	2013 ^(R)
01D	Emergency Waiting Room	13	4	4	4	4	NC
02	Medical Records & Laundry	9	2	2	3	3	NC
03A	Central Plant - Phase I	9	4	4	2	3	2013 ^(R)
03B	Central Plant - Phase II	9	4	4	2	3	2013 ^(R)
04A	Cooling Tower (Original)	8, 4	1	2	2	3	2003 ^(R)
04B	Cooling Tower Additions 1 & 2	8, 9, 4	1	2	2	3	2003 ^(R)
06	Pediatric Acute Care	3, 4	3	3	3	3	NC
07	Trauma Center	4, BI	5	5	4	4	NC
08	Hawkins Building	9	4	4	2	3	2003 ^(R)

⁽¹⁾ Refer to Appendix A for definition of heading terms and abbreviations

Status by: may include retrofit (R), delicensed (D), or new construction (N). NC indicates no change in status for the stated period



Table 4-3

MARTIN LUTHER KING, JR. / DREW MEDICAL CENTER

Existing at 2013 and Planned Buildings Matrix for 2030

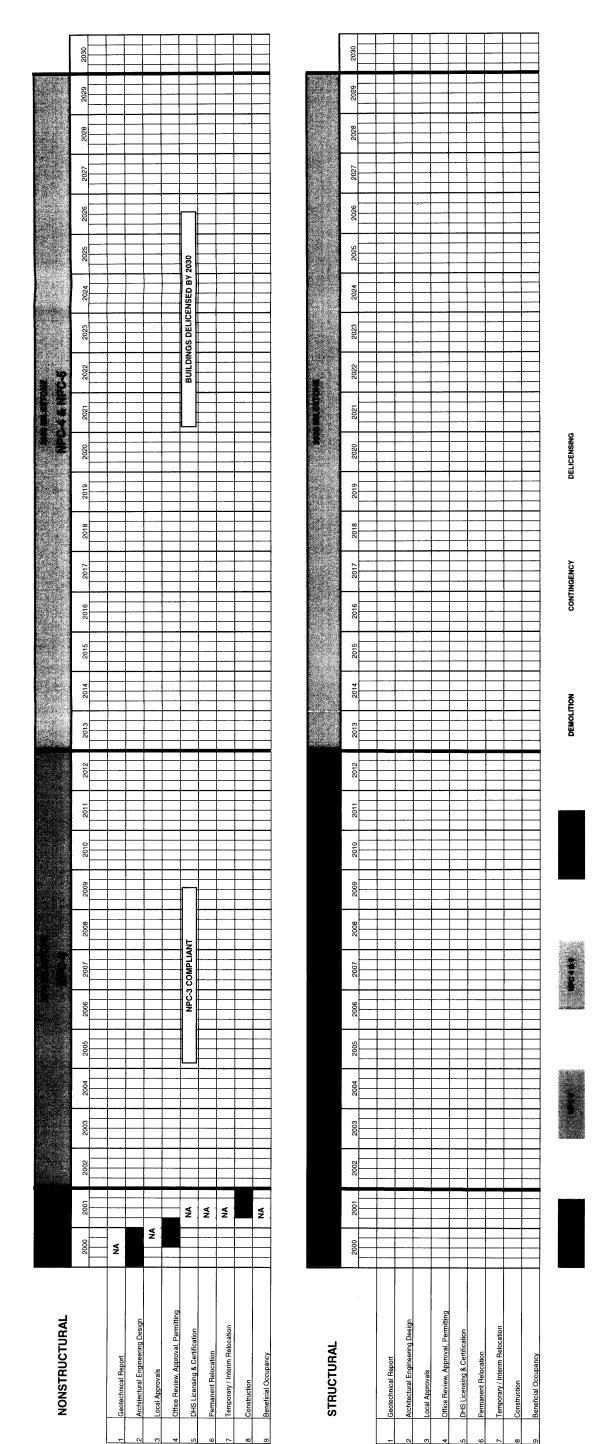
STEN	Building	Bldg ⁽¹⁾ Type	SPC ⁽¹⁾ Existing	SPC Planned	NPC ⁽¹⁾ Existing	NPC Planned	Status By ⁽²⁾
01A	Main Hospital Bldg - Central Tower	9	2	Delicensed	3	Delicensed	2030 ^(D)
01B	Main Hospital Bldg - North Tower	9	2	Delicensed	3	Delicensed	2030 ^(D)
01C	Main Hospital Bldg - South Tower	9	2	Delicensed	3	Delicensed	2030 ^(D)
01D	Emergency Waiting Room	13	4	Delicensed	4	Delicensed	2030 ^(D)
02	Medical Records & Laundry	9	2	Delicensed	3	Delicensed	2030 ^(D)
03A	Central Plant - Phase I	9	4	Delicensed	3	Delicensed	2030 ^(D)
03B	Central Plant - Phase II	9	4	Delicensed	3	Delicensed	2030 ^(D)
04A	Cooling Tower (Original)	8, 4	2	Delicensed	3	Delicensed	2030 ^(D)
04B	Cooling Tower Additions 1 & 2	8, 9, 4	2	Delicensed	3	Delicensed	2030 ^(D)
06	Pediatric Acute Care	3, 4	3	Delicensed	3	Delicensed	2030 ^(D)
07	Trauma Center	4, BI	5	5	4	5	2030 ^(R)
08	Hawkins Building	9	4	Delicensed	3	Delicensed	2030 ^(D)

⁽¹⁾ Refer to Appendix A for definition of heading terms and abbreviations

Status by: may include retrofit (R), delicensed (D), or new construction (N). NC indicates no change in status for the stated period



COMPLIANCE PLAN SCHEDULE



SPC-6 COMPLIANT	2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2023 2024	
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SECTION 6

REFERENCES



6.0 REFERENCES

Dames & Moore, 2000, SB 1953 Seismic Evaluation Report for Martin Luther King, Jr. / Drew Medical Center, Los Angeles, California, Project No. 22701-022-015, dated November 22, 2000, prepared for the County of Los Angeles Department of Public Works.

Dames & Moore, 2000, Compliance Plan, Martin Luther King, Jr. / Drew Medical Center, Los Angeles, California, SB 1953 Seismic Evaluation and Retrofit, Project No. 22701-022-015, dated November 22, 2000, prepared for the County of Los Angeles Department of Public Works.

Dames & Moore, 2000, SB 1953 NPC-2 Evaluation Report for Martin Luther King, Jr. / Drew Medical Center, Los Angeles, California, Project No. 22701-022-015 dated November 22, 2000, prepared for the County of Los Angeles Department of Public Works.

Dames & Moore, 2001, SB 1953 Seismic Response Plan Report for Martin Luther King, Jr. / Drew Medical Center, Los Angeles, California, Project No. 22701-022-015, dated February 28, 2001, prepared for the County of Los Angeles Department of Public Works.

URS Corporation, 2002, Response to OSHPD review comments, SB 1953 Seismic Evaluation and Compliance Project, NPC-2 Evaluation Report, Martin Luther King, Jr. / Drew Medical Center, Los Angeles, California, Project No. 29400259, dated November 15, 2002, prepared for the County of Los Angeles Department of Public Works.



APPENDIX A

SUMMARY OF SB 1953 REQUIREMENTS AND TERMINOLOGY



BACKGROUND

Senate Bill 1953 requires that California hospitals develop a Compliance Plan to eliminate seismically unsafe buildings by 2008 and to upgrade all General Acute Care hospitals to a level of functionality following earthquake as specified by the Office of Statewide Health Planning and Development (OSHPD) by the year 2030. The compliance plan must be submitted to OSHPD by January 1, 2001 for review and approval.

OSHPD has developed an evaluation procedure for hospital buildings to categorize the structural system and nonstructural components by relative life risk and functionality under earthquake. The Structural Performance Categories (SPCs) range from unsafe for hospital patients (SPC-1) to fully safe and functional (SPC-5).

Since nonstructural components and equipment play a key role in providing hospital services and also represent a potential source of injury to the patient, SB 1953 requires the complete review of all nonstructural components for structural anchorage and bracing. The emergency services must be brought up to OSHPD seismic standards by January 1, 2002. The nonstructural elements that could fall and injure or disrupt functions in selected Acute Care areas must be upgraded to OSHPD standards by 2008. The full Acute Care Hospital must be upgraded to OSHPD standards by 2030.

Not all hospitals will require seismic upgrade to comply with SB 1953. Those designed and constructed under OSHPD's review and approval since 1983 are automatically considered conforming. All that is required is proof of permit. Hospitals designed and constructed prior to 1973 are considered nonconforming and all will require detailed structural and nonstructural review. Unless they are proven to be life safe (SPC-2) they will have to be upgraded from the unsafe status (SPC-1) or removed from service as a hospital by 2008.

Hospitals designed and constructed between 1973 and 1983 and reviewed by OSA are a mixed situation. They are partially conforming. The structure may meet hospital life safety standards, but nonstructural equipment may not. Both the structural and nonstructural elements will require an evaluation by the structural engineer to determine the Seismic Performance Category.

OSHPD requires a formal evaluation report be filed by the hospital no later than January 1, 2001 on all the General Acute Care Facilities listed on the license except free standing Skilled Nursing Building, non acute care Psychiatric Hospitals, and out patient clinics where more than 75% of the patients are out patients. The Compliance Plan defines how the nonconforming buildings will be brought into conformance or decommissioned by the year 2008 and 2030.



SENATE BILL 1953 REQUIREMENTS and GLOSSARY of TERMS

Senate Bill 1953 (SB 1953) has established a series of interim milestone dates for progressively bringing all hospitals into full seismic compliance with California Building Codes by January 1, 2030. The level of building compliance with SB 1953 requirements is defined by:

- Structural Performance Categories (SPC-1 thru SPC-5) and
- Nonstructural Performance Categories (NPC-1 thru NPC-5).

By January 1, 2002 all five essential systems (i.e., Emergency Power, Bulk Medical Gas Storage, Communications, Fire Alarm and Emergency Lights and Signs) must meet the NPC-2 level of compliance.

By January 1, 2008 all hospital buildings must meet minimum life safety requirements for earthquake which is complying with SPC-2 rating. Buildings housing Critical Care service areas or source equipment serving these areas must also meet NPC-3 rating by 2008. These ratings are the minimum for continued operation of hospital buildings until January 2030. Los Angeles County has applied for an extension of the 2008 deadline to 2013.

To operate the hospital building beyond January 2030, the structure must be rated SPC-3, SPC-4, or SPC-5 and nonstructurally it must be rated NPC-5.

STRUCTURAL PERFORMANCE CATEGORIES (SPC)

SPC₁

Buildings posing a significant risk of collapse and a danger to the public. These buildings must be brought up to the SPC 2 level by January 1, 2008 or be removed from acute care service.

SPC 2

Buildings in compliance with the pre-1973 California Building Standards Code or other applicable standards, but not in compliance with the structural provisions of the Alquist Hospital Facilities Seismic Safety Act. These buildings do not significantly jeopardize life, but may not be repairable or functional following strong ground motion. These buildings must be brought into compliance with the structural provisions of the Alquist Hospital Facilities Seismic Safety Act, its regulations, or its retrofit provisions by January 1, 2030 or be removed from acute care service.

SPC 3

Buildings in compliance with the structural provisions of the Alquist Hospital Facilities Seismic Safety Act, utilizing steel moment resisting frames in regions of high seismicity as defined in Section 4.2.10 and constructed under a permit issued prior to October 25, 1994. These buildings may experience structural damage which does not significantly jeopardize life, but may not be



repairable or functional following strong ground motion. Buildings in this category will have been constructed or reconstructed under a building permit obtained through OSHPD.

SPC 4

Buildings in compliance with the structural provisions of the Alquist Hospital Facilities Seismic Safety Act, but may experience structural damage which may inhibit ability to provide services to the public following strong ground motion. Buildings in this category will have been constructed or reconstructed under a building permit obtained through OSHPD. These buildings may be used to January 1, 2030 and beyond.

SPC 5

Buildings in compliance with the structural provisions of the Alquist Hospital Facilities Seismic Safety Act, and reasonably capable of providing services to the public following strong ground motion. Buildings in this category will have been constructed or reconstructed under a building permit obtained through OSHPD. These buildings may be used without restriction to January 1, 2030 and beyond.

NONSTRUCTURAL PERFORMANCE CATEGORY (NPC)

NPC 1

Buildings with equipment and systems not meeting the bracing and anchorage requirements of any other NPC.

NPC 2

The following systems are braced or anchored in accordance with Part 2, Title 24:

- communications systems;
- emergency power system;
- bulk medical gas systems; and
- fire alarm systems.
- emergency lighting equipment and signs in the means of egress.

NPC 3

The building meets the criteria for NPC "2" and in Critical Care Areas, clinical laboratory service spaces, pharmaceutical service spaces, radiological service spaces, and central and sterile supply areas, the following components meet the bracing and anchorage requirements of Part 2, Title 24:

- Nonstructural components, listed in the 1995 CBC, Part 2, Title 24, Table 16A-O, Part 2; and
- Equipment, as listed in the 1995 CBC, Part 2, Title 24, Table 16A-O, "Equipment" including equipment in the physical plant that service these areas.



Exceptions:

- 1. Seismic restraints need not be provided for cable trays, conduit and HVAC ducting. Seismic restraints may be omitted from piping systems, provided that an approved method of preventing release of the contents of the piping system in the event of a break is provided.
- 2. Only elevator(s) selected to provide service to patient, surgical, obstetrical, and ground floors during interruption of normal power need meet the structural requirements of Part 2, Title 24.
- Fire sprinkler systems comply with the bracing and anchorage requirements of NFPA 13, 1994 edition or subsequent applicable standards.

Exception: Rural acute care hospital facilities in Seismic Zone 3 shall comply with the bracing and anchorage requirements of NFPA 13, 1994 edition or subsequent applicable standards by January 1, 2013.

NPC 4

The building meets the criteria for NPC 3 and all architectural, mechanical, electrical systems, components and equipment, and hospital equipment meet the bracing and anchorage requirements of Part 2, Title 24. This category is for classification purposes of the Office of Emergency Services.

NPC 5

The building meets the criteria for NPC 4 and on-site supplies of water and holding tanks for wastewater, sufficient for 72 hours emergency operations, are integrated in to the building plumbing systems. As an alternative, hook-ups to allow for the use of transportable sources of water and sanitary waste water disposal have been provided. An on-site emergency system as defined within Part 3, Title 24 is incorporated into the building electrical system for critical care areas. Additionally, the system shall provide for radiological service and an onsite fuel supply for 72 hours of acute care operation.



COMMON BUILDING TYPES

Building Type 1 – Wood, Light Frame

Building Type 2 – Wood, Commercial and Industrial

Building Type 3 – Steel Moment Frame

Building Type 4 – Steel Braced Frame

Building Type 5 – Steel Light Frame

Building Type 6 – Steel Frame with Concrete Shear Walls

Building Type 7 – Steel Frame with Infill Shear Walls

Building Type 8 – Concrete Moment Frame

Building Type 9 – Concrete Shear Walls

Building Type 10 – Concrete Frame with Infill Shear Walls

Building Type 11 – Precast / Tilt-up Concrete Walls with Lightweight Flexible Diaphragm

Building Type 12 – Precast Concrete Frames with Concrete Shear Walls

Building Type 13 – Reinforced Masonry Bearing Walls with Wood or Metal Deck Diaphragms

Building Type 14 – Reinforced Masonry Bearing Walls with Precast Concrete Diaphragms

Building Type 15 – Unreinforced Masonry (URM) Bearing Wall Buildings



APPENDIX B

OSHPD REVIEW COMMENTS AND BACKCHECKS WITH RESPONSE



November 16, 2006

Mr. Patrick Rodgers
Senior Structural Engineer
SB 1953 Seismic Retrofit Program
Facilities Development Division
Office of Statewide Health Planning and Development
1600 Ninth Street, Room 420
Sacramento, CA 95814

Re: Martin Luther King, Jr. / Drew Medical Center #12259 12021 Wilmington Avenue, Los Angeles, California 90059 URS Project No. 29403740

Subj: OSHPD's Review Comments on SB 1953 Compliance Plan Report

Dear Mr. Rodgers:

URS Corporation has submitted a previous SB 1953 Compliance Plan Report for Martin Luther King, Jr. / Drew Medical Center dated November 22, 2000 which has been reviewed by OSHPD in a letter of February 8, 2002, a copy of which is enclosed. The Revised Compliance Plan has been prepared incorporating the OSHPD review comments. We have prepared this letter to make the record complete in our response. The following numbered items represent the disposition of the seven OSHPD review comments in Appendix B.

- 1. The Revised Compliance Plan has the structural engineer's seal on the cover as requested.
- 2. The SB 1953 Compliance Plan Schedule:
 - The Revised Compliance Plan schedule includes each building affected by each construction phase as requested.
 - All buildings will be affected by the NPC-2 project except the Cooling Towers.
 - As shown on the revised Schedules in Section 5, SPC-2 and NPC-3 upgrades for the Main Hospital Building will be conducted under one project. The Central Plant will undergo an NPC-3 upgrade under the same project. At this time, the Central Plant does not need structural upgrade. It is a compliant SPC-4 upgrade grandfathered under SB 1953.
- 3. The 2002 Existing and Planned Buildings Matrix and the 2002 Site Plan correctly indicate that the Emergency Waiting Room (01D), Medical Records and Laundry (02), Pediatric Acute Care (06) and the Trauma Center (07) will be upgraded to NPC-3 or NPC-4 by the 2002 milestone, January 1, 2002. However, the Schedule

Fax: 213.996.2458



November 16, 2006 OSHPD Page 2

shows that only NPC-2 projects will be performed to the end of 2001. The reason these buildings are not classified as NPC-2 upon completion of the NPC-2 compliance requirements is fairly obvious. Either the buildings have no NPC-3 compliance requirement associated with them and automatically rise to the NPC-3 level upon completion of NPC-2 upgrade, or they are fully compliant under OSHPD permits and reach an NPC-4 status upon completion of the site wide NPC-2 compliance requirement. It is this NPC-4 compliance that applies to both the Emergency Waiting Room (01D) and the Trauma Center (07) in which the fire sprinkler systems have been found to be fully compliant with the NFPA-13 provisions of the 1994 version of the code.

- 4. The requested functional information for the following non-SB 1953, non-Acute Care buildings has been previously provided in the SB 1953 Seismic Evaluation Report in Table 1, Part II, Site Evaluation, pp. 3 and 4, and has been addressed in previous letters and correspondence as part of the back check for NPC-2 status application. To summarize the specific functions as requested:
 - Registration Building (F-1) provides outpatient registration.
 - Service and Supply Buildings North and South (B-1, C-1) are office buildings for support administrative services and provide surplus equipment storage for the hospital.
 - Interns and Physicians Building (D-1) is the dormitory for the interns that are in residency at the hospital.
 - Plant Management Building (A-1) provides office space and shops for the maintenance operations of the Central Plant and hospital facilities.

Since the Main Hospital has adequate storage space as required by code, none of these five buildings provide support services or supplementary services in accordance with Sections 420A.21 through 420A.52, Part II, Title 24, C.C.R.

- 5. On the existing Site Plan, neither the Hawkins Bridge nor the structure identified as "Bridge" on the south corner of the Hawkins Building (08) are freestanding structures. They are both supported directly on the second floor of the Hawkins Building and the Hawkins Bridge extends to the Main Hospital Building North Tower (01B). Thus, neither of the bridges are freestanding. Both of these bridges have been a topic of back check comments under NPC-2 upgrade compliance.
- 6. The Outpatient MRI modular building (K-1) provides less than 25% of its services to in-hospital patients. Based on SB 1953 review criteria, it is considered a non-Acute Care building. Thus, it has not been included under the SB 1953 Seismic Evaluation and has not been identified as an Acute Care building in either the Evaluation Report or the Compliance Plan. Furthermore, the existing Site

URS

November 16, 2006 OSHPD Page 3

Plan (see Section 3, Figure 3-1 of the Revised Compliance Plan) does not identify the MRI Modular Building (K-1) as one of the SB 1953 buildings. Similarly, K-1 is not included in the SB 1953 Acute Care Buildings table below the plan.

7. SB 1953 Compliance Schedule: Yes. There is a project to upgrade the Trauma Center (07) from NPC-4 to NPC-5 by the 2030 milestone. Please see the Revised Compliance Plan Schedule, Section 5, Figure 5-5.

If you have any questions about the Revised Compliance Plan and the response to OSHPD's letter of February 8, 2002, please fee free to contact the undersigned at (213) 996-2379 or contact Mr. Andrew K. Moey of the Los Angeles County Department of Public Works at (626) 300-2333.

No. \$1650 EXP. 3-31-07

Sincerely,

URS Corporation

William E. Gates, S.E.

Vice President

cc: Andrew K. Moey

Enc: OSHPD Letter of February 8, 2002

OSHPD Letter of January 24, 2005 OSHPD Letter of March 3, 2005

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT **FACILITIES DEVELOPMENT DIVISION**

1600 9th Street, Room 420 Sacramento, California 95814

(916) 654-3362 FAX (916) 654-2973



February 08, 2002

William E. Gates Dames & Moore 911 Wilshire Blvd., 8th Floor Los Angeles, CA 90017

Los Angeles Co. Martin Luther King Jr. Medical Center - 12259 RE:

12021 Wilmington Avenue - Los Angeles, CA 90059

Dear William E. Gates:

We are in receipt of your Compliance Plan dated November 22, 2000 for the above named facility and have reviewed your Compliance Plan as allowed by the completeness of your submittal.

The following are review comments based on your present submittal. You should expect additional comments on any subsequent new contents provided for our review. Note also that revisions to the Structural Evaluation Report and/or the Nonstructural Evaluation Report may require revisions to, and resubmittal of, the Compliance Plan. All plans are processed in order of receipt.

Although the submitted plan has been reviewed, it will not be approved until the following items have been received, reviewed, and approved by OSHPD:

- 1. All Compliance Plans shall be signed and stamped by the Architect or Structural Engineer of Record.
- 2. SB 1953 Compliance Plan Schedule: Please revise the Compliance Plan Schedule to indicate the buildings to be affected by each construction phase. Will all buildings be affected by the NPC-2 project? Will the SPC-2 and NPC-3 upgrades for the Main Hospital and Central Plant be constructed under one project?
- 3. The 2002 Existing and Planned Buildings Matrix and the 2002 Site Plan indicate the Emergency Waiting Room (01D), Medical Records and Laundry (02), Pediatric Acute Care (06), and Trauma Center (07) will be upgraded to NPC-3 or NPC-4 by the 2002 milestone (January 1, 2002). However, the Schedule shows only NPC-2 projects through the end of 2001. Please reconcile this difference and verify that these buildings will be upgraded as indicated.
- 4. Please provide specific information about the function of the Registration Building (F1), Service and Supply Buildings North and South (B1, C1), Interns and Physicians Building (D1) and the Plant Management Building (A1) shown on the Site Plans. If these buildings provide support services or supplementary services in accordance with Sections 420A.21 through 420A.52, Part 2, Title 24, C.C.R., they shall be evaluated as hospital buildings.

Los Angeles Co. Martin Luther King Jr. Medical Center - 12259 February 08, 2002 Page 2 of 2

- 5. Existing Site Plan: Are the two bridges (the Hawkins Bridge and the structure labeled "Bridge") located near the southeast corner of the Hawkins Building (08) free-standing structures? If so, they shall be evaluated as separate structures in the Compliance Plan.
- 6. Please describe the function of the MRI Modular Building (K1) indicated on the site plans. This building has been identified as requiring a non-structural retrofit on the Existing Site Plan, but has not been included in other portions of the Compliance Plan.
- 7. SB 1953 Compliance Plan Schedule: Is there a project to upgrade the Trauma Center (07) from NPC-4 to NPC-5 by the 2030 milestone? Please revise the Compliance Plan accordingly.

If you need further information regarding SB 1953, you may visit our web site at www.oshpd.state.ca.us, or you may contact us through Ive Laske at (916) 654-3703.

Sincerely,

John Tehaney Hospital Seismic Retrofit Program

cc: Andrew K. Moey, Principal Facilities Project Manager File



Office of Statewide Health Planning and Development

Facilities Development Division 1600 Ninth Street, Room 420 Sacramento, California 95814 (916) 654-3362 Fax (916) 654-2973 www.oshpd.ca.gov/fdd

January 24, 2005

William E. Gates URS Corporation 911 Wilshire Blvd., Suite 700 Los Angeles, CA 90017

RE: Los Angeles Co Martin Luther King Jr Drew Med Center - 12259 12021 Wilmington Ave. - Los Angeles, CA 90059 SPC 1 Evaluated Buildings

Dear William E. Gates:

We have reviewed your seismic evaluation report submitted for the referenced facility.

This letter constitutes an approval for the seismic performance ratings as reported for each "hospital building" as noted below.

Building 01A Main Hospital Bldg Central Tower 1968 SPC 1

Building 01B Main Hospital Bldg North Tower 1968 SPC 1

Building 01C Main Hospital Bldg South Tower 1968 SPC 1

Building 04A Original Cooling Tower SPC 1

Building 04B 2nd Cooling Tower & Additions SPC 1

Building 08 Hawkins Building SPC 4

The seismic performance ratings of the following buildings are still under review:

Building 01D Emergency Waiting Room SPC 4

Building 02 Medical Records & Laundry SPC 2

Building 03A Central Plant Phase I SPC 4

Building 03B Central Plant Phase II SPC 4

Building 06 Pediatric Acute Care SPC 3

Building 07 Trauma Center SPC 5

Please note that any future structural work, including seismic upgrades or retrofits, must be performed in accordance with the requirements of the edition of the California Building Code in effect at the time the project is submitted. This may require remediation of deficiencies not previously identified in your SPC 1 evaluation.



Los Angeles Co Martin Luther King Jr Drew Med Center – 12259 SPC 1 Evaluated Buildings January 24, 2005 Page 2 of 2

If you need further information regarding SB 1953, you may visit our web site at www.oshpd.state.ca.us, or you may contact us through Ive Laske at (916) 654-3703.

Sincerely,

Patrick Rodgers Hospital Seismic Retrofit Program

cc: Andrew K. Moey, Principal Facilities Project Manager

File



Office of Statewide Health Planning and Development

Facilities Development Division 1600 Ninth Street, Room 420 Sacramento, California 95814 (916) 654-3362 Fax (916) 654-2973 www.oshpd.ca.gov/fdd

March 03, 2005

William E. Gates URS Corporation 911 Wilshire Blvd., Suite 700 Los Angeles, CA 90017

RE: Los Angeles County Martin Luther King Jr Drew Med Center - 12259 12021 Wilmington Ave. - Los Angeles, CA 90059 Approval of NPC 1 Evaluated Building(s)

Dear William E. Gates:

We have reviewed your seismic evaluation report submitted for the referenced facility.

This letter constitutes an approval for the **NPC 1** non-structural seismic performance rating you have assigned for the following "hospital building(s)":

01A	Main Hosp Bldg Central Tower 1968	NPC 1
01B	Main Hosp Bldg North Tower 1968	NPC 1
01C	Main Hosp Bldg South Tower 1968	NPC 1
01D	Emergency Waiting Room	NPC 1
02	Medical Records & Laundry	NPC 1
03A	Central Plant Phase I	NPC 1
03B	Central Plant Phase II	NPC 1
06	Pediatric Acute Care	NPC 1
07	Trauma Center	NPC 1
80	Hawkins Building	NPC 1

If you need further information regarding SB 1953, you may visit our web site at www.oshpd.state.ca.us, or you may contact us through Ive Laske at (916) 654-3703.

Sincerely,

Chris Tokas Hospital Seismic Retrofit Program

Cc: File

Randall Foster, Administrator - LA Co Martin Luther King Jr Drew Med Center



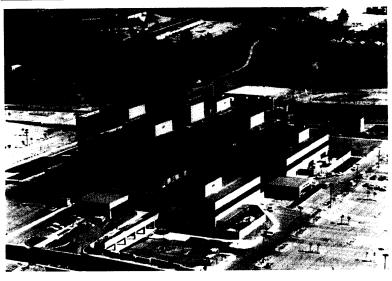
County of Los Angeles



SB 1953 SEISMIC EVALUATION AND RETROFIT

REVISED COMPLIANCE PLAN

Olive View - UCLA Medical Center





November 16, 2006 OSHPD Facility #15801





COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

900 SOUTH FREMONT AVENUE ALHAMBRA, CALIFORNIA 91803-1331 Telephone: (626) 458-5100 www.ladpw.org

ADDRESS ALL CORRESPONDENCE TO: P.O. BOX 1460 ALHAMBRA, CALIFORNIA 91802-1460

IN REPLY PLEASE

REFER TO FILE: PJ-2

November 21, 2006

Mr. Chris Tokas
Office of Statewide Health Planning and Development
Facilities Development Division
1600 9th Street, Room 450
Sacramento, CA 95814

Dear Mr. Tokas:

OLIVE VIEW-UCLA MEDICAL CENTER
SENATE BILL 1953 REVISED COMPLIANCE PLAN
OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITY NO. 15801

In response to Senate Bill 1953 regulations, we are enclosing the revised Compliance Plan for Olive View-UCLA Medical Center. This report is being submitted as an update to the original November 22, 2000, Compliance Plan and in response to the Office of Statewide Health Planning and Development's review comments in Appendix B.

This report was prepared by URS Corporation. If you have any questions, please contact me at (626) 300-2333 or Mr. William E. Gates of URS Corporation at (213) 996-2379.

Very truly yours,

DONALD L. WOLFE Director of Public Works

ANDREW K. MOEY Senior Capital Projects Manager Project Management Division I

GBB:njc

U:\pmdI\health\SB1953\sb1953\OV trans LACo Plan to OSHPD.doc

Enc.

cc: Chief Administrative Office (Dawn McDivitt)
Department of Health Services (John Shubin)

URS

October 23, 2006

Mr. Andrew K. Moey
Acting Capital Projects Manager
Project Management Division I, 5th Floor
Los Angeles County
Department of Public Works
900 South Fremont Avenue
Alhambra, California 91803 -1331

Re: SB 1953 Seismic Evaluation Project

Los Angeles County Contract #PW-11917

URS Project No. 29403740

Subj: Revised Compliance Plan

Willean Goldan

Olive View – UCLA Medical Center Los Angeles County Hospital Sites

Dear Mr. Moey:

Enclosed are eight copies of the Revised Compliance Plan under SB 1953 for Olive View – UCLA Medical Center. This report is being submitted for formal review by the hospital administration and approval by the Board of Supervisors.

Thank you for your review and assistance in completing this document. If you have any questions, please contact me at 213/996-2379.

Sincerely,

URS

William E. Gates, S.E.

Vice President

cc: Gus Bitar



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SECTION 1

INTRODUCTION



SENATE BILL 1953 COMPLIANCE PLAN OLIVE VIEW – UCLA MEDICAL CENTER SYLMAR, CALIFORNIA

1.0 INTRODUCTION

1.1 Purpose

This report describes Los Angeles County's compliance plan to address the identified seismic deficiencies of the Olive View - UCLA Medical Center as required by SB 1953 regulations.

1.2 The Existing Hospital

The Olive View - UCLA Medical Center is licensed for 377 beds including 297 general acute care beds and is located at 14445 Olive View Drive, Sylmar, California.

The Medical Center has three buildings that are subject to SB 1953 evaluation and retrofit requirements:

- 01 Main Hospital Building
- 02 Central Plant
- 03 Cooling Tower

These buildings have nonstructural seismic deficiencies that require upgrade by the 2002, 2013, and 2030 milestone dates as described in this report.

1.3 New Construction

A new one story, 32,000 sq ft., Emergency Services Building (04A, 04B and 04C) will be constructed adjacent to the Main Hospital Building (01). The new Emergency Department will be housed in this to replace the existing Emergency Department currently housed in the Main Hospital Building. The new Emergency Services Building is scheduled to be completed by 2011. Furthermore, a new 30-bed, 11,000 sq ft, Acute Care Unit Building (05A and 05B) will also be built adjacent to the new Emergency Services Building. This unit will also be completed by 2011. At completion of construction, both new buildings will be SPC-5 and NPC-4 compliant, with all the compliance to be brought into NPC-5 status when the site is upgraded to NPC-5.

In addition, the existing Central Plant (02) and the Cooling Tower (03) servicing the new acute care buildings aforementioned, will be retrofitted to NPC-4 category by 2011 as well. These buildings were retrofit to NPC-3 status in 2002 under a seismic mitigation grant from FEMA that was related to the 1994 Northridge Earthquake repairs.



1.4 Assumptions

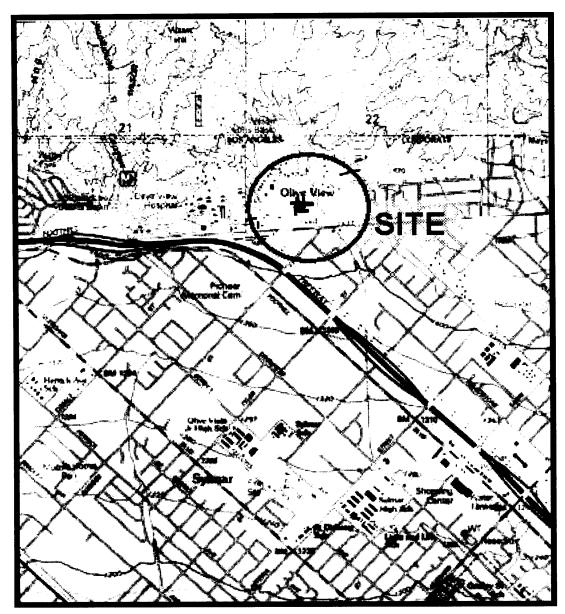
The California Constitution prohibits the County of Los Angeles (County) from incurring any indebtedness or liability which would exceed in any one fiscal year the income and revenue of the County for such year, without the assent of two-thirds of the qualified voters of the County. Accordingly, the County cannot commit to make the required retrofits to the facility unless and until it has encumbered all the funds required to pay for the retrofits. Such encumbrances do not occur until specific contracts are approved for funding by the County. Such contracts cannot be approved until an environmental assessment of the retrofits is completed.

1.5 Report Content

- Introduction
- Site vicinity map and building photographs
- Narrative description of compliance plan for various SB 1953 milestone dates.
- Compliance site plans for various SB 1953 milestone dates
- Existing and planned building status matrices
- Schedule for design and construction of the planned activities
- References
- SB 1953 Requirements and Terminology (Appendix A)
- OSHPD Review Comments and Backcheck with Response (Appendix B)



1.6 Vicinity Map and Photographs



VICINITY MAP

Sylmar, California

OLIVE VIEW – UCLA MEDICAL CENTER

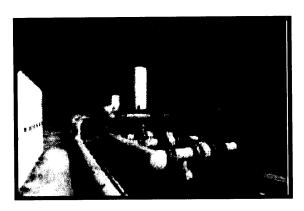
Los Angeles County



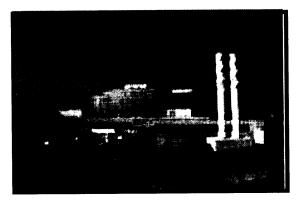
OLIVE VIEW - UCLA MEDICAL CENTER



MAIN HOSPITAL BUILDING (South Elevation)



COOLING TOWER



CENTRAL PLANT

PHOTOGRAPHS

OLIVE VIEW - UCLA MEDICAL CENTER

Los Angeles County



SECTION 2

COMPLIANCE PLAN DESCRIPTION



2.0 COMPLIANCE PLAN DESCRIPTION

Los Angeles County's Olive View - UCLA Medical Center in Sylmar, California, currently consists of 52 buildings on a campus of 497 acres. Of these buildings, only three are Acute Care Hospital Buildings covered under SB 1953 OSHPD Regulations.

2.1 By the Year 2002

The County will provide bracing and anchorage of the following systems to achieve an NPC-2 rating for all SB 1953 related buildings and equipment on the site:

- Communications Systems
- Fire Alarm Systems
- Emergency Power Systems
- Emergency Lights and Signs

The bulk medical gas storage system was installed with an OSHPD approval and is already compliant.

2.2 By the Year 2013

The County will have upgraded the Main Hospital Building (01) from NPC-2 to NPC-3 rating and the following SPC-4 Buildings from NPC-2 to NPC-4:

- Central Plant Building (02)
- Cooling Tower (03)

Furthermore, the County will have completed construction of the new Emergency Services Building (04A, 04B and 04C) and Acute Care Unit Building (05A and 05B) adjacent to the Main Hospital. These will be SPC-5 and NPC-4 rated.

2-3 By the year 2030

The County will have upgraded the following NPC-3 building to NPC-5 rating:

Main Hospital Building (01)

And will upgrade the following NPC-4 buildings to NPC-5:

- Central Plant Building (02)
- Cooling Tower (03)
- Emergency Services Building (04A, 04B and 04C)
- Acute Care Unit Building (05A and 05B)

All other buildings on the hospital site are functionally independent of the hospital and require no SB 1953 upgrade work.



2.0 COMPLIANCE PLAN DESCRIPTION

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- Emergency Power Systems
- Emergency Lights and Signs

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- Cooling Tower (03)

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The County will have upgraded the following NPC-3 building to NPC-5 rating:

• Main Hospital Building (01)

And will upgrade the following NPC-4 buildings to NPC-5:

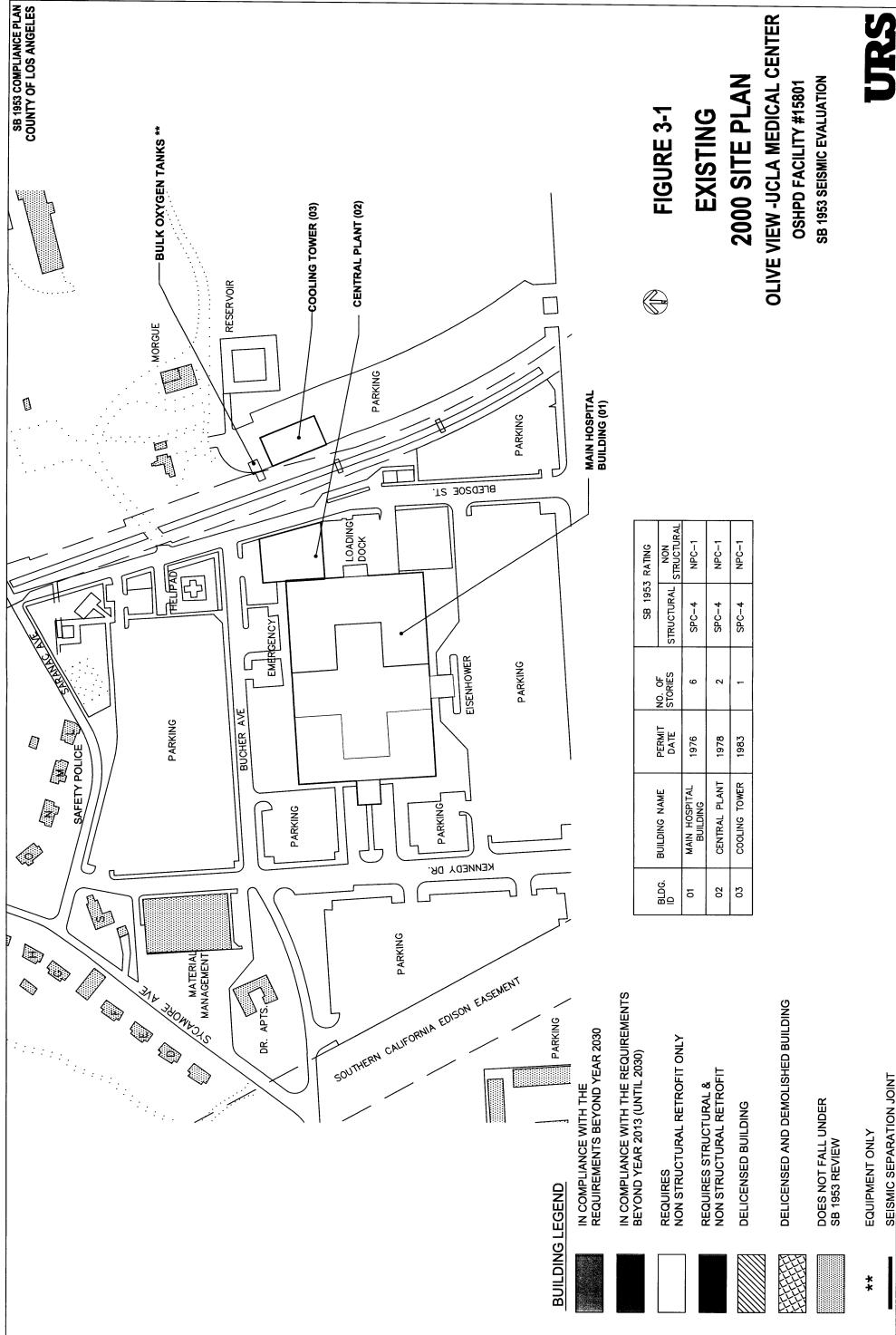
- Central Plant Building (02)
- Cooling Tower (03)
- Emergency Services Building (04A, 04B and 04C)
- Acute Care Unit Building (05A and 05B)

All other buildings on the hospital site are functionally independent of the hospital and require no SB 1953 upgrade work.



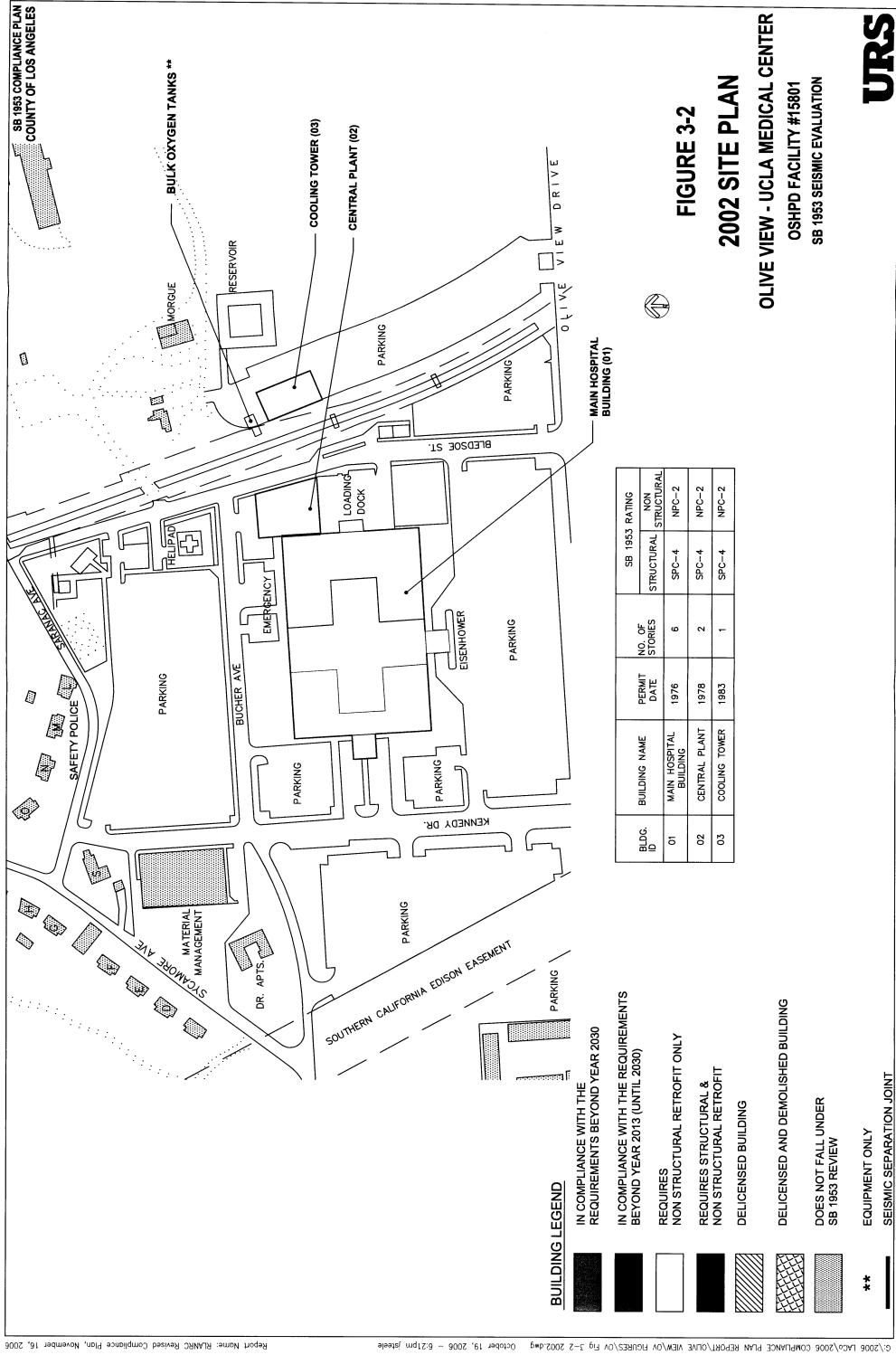
SECTION 3

COMPLIANCE SITE PLANS



Report Name: RLANRC Revised Compliance Plan, November 16, 2006







OLIVE VIEW - UCLA MEDICAL CENTER

SB 1953 SEISMIC EVALUATION OSHPD FACILITY #15801

2013 SITE PLAN

FIGURE 3-3







MAIN HOSPITAL	BUILDING (01)
T	

IN COMPLIANCE WITH THE REQUIREMENTS BEYOND YEAR 2013 (UNTIL 2030)

REQUIRES NON STRUCTURAL RETROFIT ONLY

REQUIRES STRUCTURAL & NON STRUCTURAL RETROFIT

DELICENSED BUILDING

PARKING \

BUILDING LEGEND

IN COMPLIANCE WITH THE REQUIREMENTS BEYOND YEAR 2030

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PARKING

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SOUTHERN CALIFORNIA EDISON EASEMENT

КЕИИЕДЬ ДВ.

PARKING

SB 1953 COMPLIANCE PLAN COUNTY OF LOS ANGELES

ACUTE CARE UN BUILDING (05)

SAFETY POLICE

BULK OXYGEN TANKS **

MORGUE

公

(05B)_

MATERIAL MANAGEMENT

340Mp 350Mp AS

PARKING

(04B)

R

PARKING

EMERGENCY SERVICES
BUILDING (04)

PARKIN

P

RESERVOIR

COOLING TOWER (03)

CENTRAL PLANT (02)

| LOADING^E | DOCK

SB 1953 RATING	NON STRUCTURAL	NPC-3	NPC-4 ▼	NPC-4 ▼	NPC-4	NPC-4 ▼	NPC-4	NPC-4 ▼	NPC-4
	STRUCTURAL	SPC-4	SPC-4	SPC-4	SPC-5	SPC-5	SPC-5	SPC-5	SPC-5
((STORIES	9	2	1	1	-	-	-	-
	PERMI	1976	1978	1983	2007	2007	2007	2007	2007
	BUILDING NAME	MAIN HOSPITAL BUILDING	CENTRAL PLANT	COOLING TOWER	EMERGENCY SERVICES BLDG.	EMERGENCY SERVICES CANOPY	EMERGENCY SERVICES CANOPY	ACUTE CARE UNIT BUILDING	ACUTE CARE
	BLDG. ID	01	02	03	04A	04B	04C	05A	058

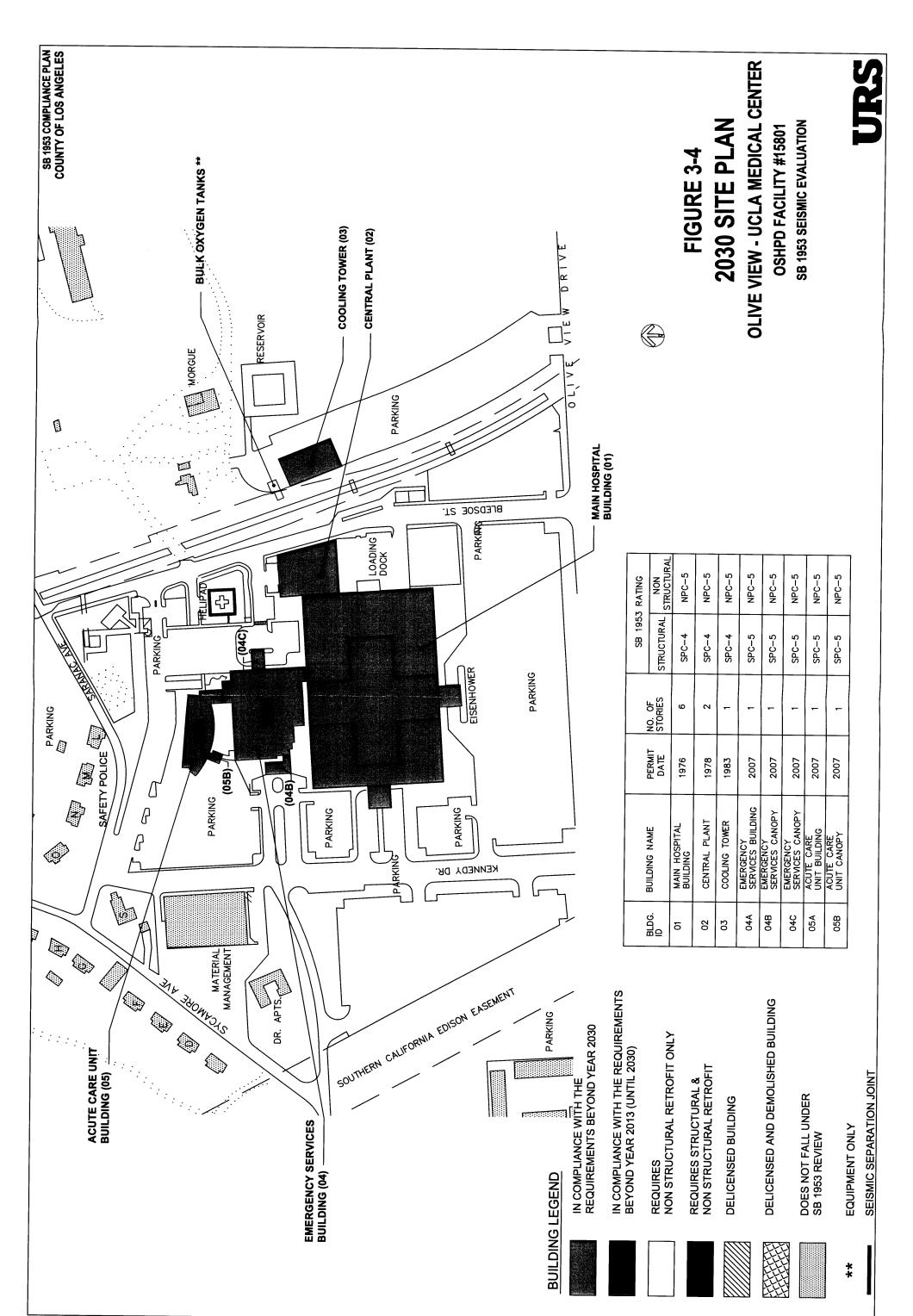
SB 1953 RATING	NON STRUCTURAL	NPC-3	NPC-4	NPC−4 ■	NPC-4	NPC−4 ■	NPC-4	NPC-4	NPC-4
	STRUCTURAL	SPC-4	SPC-4	SPC-4	SPC-5	SPC-5	SPC-5	SPC-5	SPC-5
((STORIES	9	2	1	-	-	-	-	-
	PERMI	1976	1978	1983	2007	2007	2007	2007	2007
	BUILDING NAME	MAIN HOSPITAL BUILDING	CENTRAL PLANT	COOLING TOWER	EMERGENCY SERVICES BLDG.	EMERGENCY SERVICES CANOPY	EMERGENCY SERVICES CANOPY	ACUTE CARE UNIT BUILDING	ACUTE CARE UNIT CANOPY
	LDG.	01	02	03	04A	04B	04C	05A	05B

DOES NOT FALL UNDER SB 1953 REVIEW

DELICENSED AND DEMOLISHED BUILDING

EQUIPMENT ONLY

SEISMIC SEPARATION JOINT





SECTION 4

EXISTING AND PLANNED BUILDING MATRICES



Table 4-1 **OLIVE VIEW - UCLA MEDICAL CENTER**

Existing at 2000 and Planned Buildings Matrix for 2002

STEN	Building	Bldg ⁽¹⁾ Type	SPC ⁽¹⁾ Existing	SPC Planned	NPC ⁽¹⁾ Existing	NPC Planned	Status By ⁽²⁾
01	Main Hospital	6	4	4	1	2	2002 ^(R)
02	Central Plant	6	4	4	1	2	2002 ^(R)
03	Cooling Tower	6	4	4	1	2	2002 ^(R)

⁽¹⁾ Refer to Appendix A for definition of heading terms and abbreviations
(2) Status by: may include retrofit (R), delicensed (D), or new construction (N)



Table 4-2 **OLIVE VIEW - UCLA MEDICAL CENTER** Existing at 2002 and Planned Buildings Matrix for 2013

STEN	Building	Bldg ⁽¹⁾ Type	SPC ⁽¹⁾ Existing	SPC Planned	NPC ⁽¹⁾ Existing	NPC Planned	Status By ⁽²⁾
01	Main Hospital	6	4	4	2	3	2011 ^(R)
02	Central Plant	6	4	4	2	4	2011 ^(R)
03	Cooling Tower	6	4	4	2	4	2011 ^(R)
04A	Emergency Services	6	N/A	5	N/A	4	2011 ^(N)
04B	Emergency Services	6	N/A	5	N/A	4	2011 ^(N)
04C	Emergency Services	6	N/A	5	N/A	4	2011 ^(N)
05A	Acute Care Unit	6	N/A	5	N/A	4	2011 ^(N)
05B	Acute Care Unit	6	N/A	5	N/A	4	2011 ^(N)

⁽¹⁾ Refer to Appendix A for definition of heading terms and abbreviations (2) Status by: may include retrofit (R), delicensed (D), or new construction (N)



Table 4-3 **OLIVE VIEW - UCLA MEDICAL CENTER** Existing at 2013 and Planned Buildings Matrix for 2030

STEN	Building	Bidg ⁽¹⁾ Type	SPC ⁽¹⁾ Existing	SPC Planned	NPC ⁽¹⁾ Existing	NPC Planned	Status By ⁽²⁾
01	Main Hospital	6	4	4	3	5	2030 ^(R)
02	Central Plant	6	4	4	4	5	2030 ^(R)
03	Cooling Tower	6	4	4	4	5	2030 ^(R)
04A	Emergency Services	6	5	5	4	5	2030 ^(R)
04B	Emergency Services	6	5	5	4	5	2030 ^(R)
04C	Emergency Services	6	5	5	4	5	2030 ^(R)
05A	Acute Care Unit	6	5	5	4	5	2030 ^(R)
05B	Acute Care Unit	6	5	5	4	5	2030 ^(R)

⁽¹⁾ Refer to Appendix A for definition of heading terms and abbreviations (2) Status by: may include retrofit (R), delicensed (D), or new construction (N)



SECTION 5

COMPLIANCE PLAN SCHEDULE

	2030										
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	2027				C-5 RET						
	2026				NPC-4 & NPC-5 RETROFIT						
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	2024										
	2023				¥.						
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NONSTRUCTURAL		i	Geotechnical Report	Architectural Engineering Design	Local Approvals	Office Review, Approval, Permitting	DHS Licensing & Certification	Permanent Relocation	Temporary / Interim Relocation	Construction	Beneficial Occupancy

CENTRAL PLANT BUILDING (02) AND COOLING TOWER (03)

FIGURE 5-2

2000 2001 2002 2003 2004 2005 2006 2007 2008 2010 2011 2012 2013 2014 2015 2017 2017 NPC-3 RETROFIT		
NPC-3 RETROFIT	2018 2019 2020 2021 2022 2023 2024 2025 2026	2027 2028 2029 2030
NPC-3 RETROFIT		
NPC-3 RETROFIT	AN AN	
NA NA	NA	NPC-5 RETROFIT
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NONSTRUCTURAL		Geotechnical Report	Architectural Engineering Design	Local Approvals	Office Review, Approval, Permitting	DHS Licensing & Certification	Permanent Relocation	Temporary / Interim Relocation	Construction	Beneficial Occupancy

NEW CONSTRUCTION							8	S. M. ESTO	2												3007	O MILESTA	#	MLESTORE								
(REPLACEMENT)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	
Geotechnical Report																																
Architectural Engineering Design						3 3																										
Local Approvals																																
Office Review, Approval, Permitting																																
DHS Licensing & Certification																																
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Temporary / Interim Relocation								ΥN	<u> </u>																							
Construction																																
Beneficial Occupancy																																
					2			****				ii		DEMOLITION	NOIT		CONTI	INGENCY		5	DELICENSING											

Notes:
1. The Emergency Services and Acute Care Unit Buildings (04A and 05A) and associated canopies (04B, 04C and 05C) shall all be constructed at the same time under the same OSHPD Permit Number - HL-050583-0.





SECTION 6

REFERENCES



6.0 REFERENCES

Dames & Moore, 2000, SB 1953 Seismic Evaluation Report for Olive View – UCLA Medical Center, Sylmar, California, Project No. 22701-022-015, dated November 22, 2000, prepared for the County of Los Angeles Department of Public Works.

Dames & Moore, 2000, Compliance Plan, Olive View – UCLA Medical Center, Sylmar, California, SB 1953 Seismic Evaluation and Retrofit, Project No. 22701-022-015, dated November 22, 2000, prepared for the County of Los Angeles Department of Public Works.

Dames & Moore, 2000, SB 1953 NPC-2 Evaluation Report for Olive View – UCLA Medical Center, Sylmar, California, Project No. 22701-022-015 dated November 22, 2000, prepared for the County of Los Angeles Department of Public Works.

Dames & Moore, 2001, SB 1953 Seismic Response Plan Report for Olive View – UCLA Medical Center, Sylmar, California, Project No. 22701-022-015, dated February 28, 2001, prepared for the County of Los Angeles Department of Public Works.

URS Corporation, 2002, Response to OSHPD review comments, SB 1953 Seismic Evaluation and Compliance Project, NPC-2 Evaluation Report, Olive View – UCLA Medical Center, Sylmar, California, Project No. 29400259, dated November 15, 2002, prepared for the County of Los Angeles Department of Public Works.

APPENDIX A

SUMMARY OF SB 1953 REQUIREMENTS AND TERMINOLOGY



BACKGROUND

Senate Bill 1953 requires that California hospitals develop a Compliance Plan to eliminate seismically unsafe buildings by 2008 and to upgrade all General Acute Care hospitals to a level of functionality following earthquake as specified by the Office of Statewide Health Planning and Development (OSHPD) by the year 2030. The compliance plan must be submitted to OSHPD by January 1, 2001 for review and approval.

OSHPD has developed an evaluation procedure for hospital buildings to categorize the structural system and nonstructural components by relative life risk and functionality under earthquake. The Structural Performance Categories (SPCs) range from unsafe for hospital patients (SPC-1) to fully safe and functional (SPC-5).

Since nonstructural components and equipment play a key role in providing hospital services and also represent a potential source of injury to the patient, SB 1953 requires the complete review of all nonstructural components for structural anchorage and bracing. The emergency services must be brought up to OSHPD seismic standards by January 1, 2002. The nonstructural elements that could fall and injure or disrupt functions in selected Acute Care areas must be upgraded to OSHPD standards by 2008. The full Acute Care Hospital must be upgraded to OSHPD standards by 2030.

Not all hospitals will require seismic upgrade to comply with SB 1953. Those designed and constructed under OSHPD's review and approval since 1983 are automatically considered conforming. All that is required is proof of permit. Hospitals designed and constructed prior to 1973 are considered nonconforming and all will require detailed structural and nonstructural review. Unless they are proven to be life safe (SPC-2) they will have to be upgraded from the unsafe status (SPC-1) or removed from service as a hospital by 2008.

Hospitals designed and constructed between 1973 and 1983 and reviewed by OSA are a mixed situation. They are partially conforming. The structure may meet hospital life safety standards, but nonstructural equipment may not. Both the structural and nonstructural elements will require an evaluation by the structural engineer to determine the Seismic Performance Category.

OSHPD requires a formal evaluation report be filed by the hospital no later than January 1, 2001 on all the General Acute Care Facilities listed on the license except free standing Skilled Nursing Building, non acute care Psychiatric Hospitals, and out patient clinics where more than 75% of the patients are out patients. The Compliance Plan defines how the nonconforming buildings will be brought into conformance or decommissioned by the year 2008 and 2030.



SENATE BILL 1953 REQUIREMENTS and GLOSSARY of TERMS

Senate Bill 1953 (SB 1953) has established a series of interim milestone dates for progressively bringing all hospitals into full seismic compliance with California Building Codes by January 1, 2030. The level of building compliance with SB 1953 requirements is defined by:

- Structural Performance Categories (SPC-1 thru SPC-5) and
- Nonstructural Performance Categories (NPC-1 thru NPC-5).

By January 1, 2002 all five essential systems (i.e., Emergency Power, Bulk Medical Gas Storage, Communications, Fire Alarm and Emergency Lights and Signs) must meet the NPC-2 level of compliance.

By January 1, 2008 all hospital buildings must meet minimum life safety requirements for earthquake which is complying with SPC-2 rating. Buildings housing Critical Care service areas or source equipment serving these areas must also meet NPC-3 rating by 2008. These ratings are the minimum for continued operation of hospital buildings until January 2030. Los Angeles County has applied for an extension of the 2008 deadline to 2013.

To operate the hospital building beyond January 2030, the structure must be rated SPC-3, SPC-4, or SPC-5 and nonstructurally it must be rated NPC-5.

STRUCTURAL PERFORMANCE CATEGORIES (SPC)

SPC 1

Buildings posing a significant risk of collapse and a danger to the public. These buildings must be brought up to the SPC 2 level by January 1, 2008 or be removed from acute care service.

SPC 2

Buildings in compliance with the pre-1973 California Building Standards Code or other applicable standards, but not in compliance with the structural provisions of the Alquist Hospital Facilities Seismic Safety Act. These buildings do not significantly jeopardize life, but may not be repairable or functional following strong ground motion. These buildings must be brought into compliance with the structural provisions of the Alquist Hospital Facilities Seismic Safety Act, its regulations, or its retrofit provisions by January 1, 2030 or be removed from acute care service.

SPC 3

Buildings in compliance with the structural provisions of the Alquist Hospital Facilities Seismic Safety Act, utilizing steel moment resisting frames in regions of high seismicity as defined in Section 4.2.10 and constructed under a permit issued prior to October 25, 1994. These buildings may experience structural damage which does not significantly jeopardize life, but may not be



repairable or functional following strong ground motion. Buildings in this category will have been constructed or reconstructed under a building permit obtained through OSHPD.

SPC 4

Buildings in compliance with the structural provisions of the Alquist Hospital Facilities Seismic Safety Act, but may experience structural damage which may inhibit ability to provide services to the public following strong ground motion. Buildings in this category will have been constructed or reconstructed under a building permit obtained through OSHPD. These buildings may be used to January 1, 2030 and beyond.

SPC 5

Buildings in compliance with the structural provisions of the Alquist Hospital Facilities Seismic Safety Act, and reasonably capable of providing services to the public following strong ground motion. Buildings in this category will have been constructed or reconstructed under a building permit obtained through OSHPD. These buildings may be used without restriction to January 1, 2030 and beyond.

NONSTRUCTURAL PERFORMANCE CATEGORY (NPC)

NPC 1

Buildings with equipment and systems not meeting the bracing and anchorage requirements of any other NPC.

NPC 2

The following systems are braced or anchored in accordance with Part 2, Title 24:

- communications systems;
- emergency power system;
- bulk medical gas systems; and
- fire alarm systems.
- emergency lighting equipment and signs in the means of egress.

NPC 3

The building meets the criteria for NPC "2" and in Critical Care Areas, clinical laboratory service spaces, pharmaceutical service spaces, radiological service spaces, and central and sterile supply areas, the following components meet the bracing and anchorage requirements of Part 2, Title 24:

- Nonstructural components, listed in the 1995 CBC, Part 2, Title 24, Table 16A-O, Part 2; and
- Equipment, as listed in the 1995 CBC, Part 2, Title 24, Table 16A-O, "Equipment" including equipment in the physical plant that service these areas.



Exceptions:

- 1. Seismic restraints need not be provided for cable trays, conduit and HVAC ducting. Seismic restraints may be omitted from piping systems, provided that an approved method of preventing release of the contents of the piping system in the event of a break is provided.
- 2. Only elevator(s) selected to provide service to patient, surgical, obstetrical, and ground floors during interruption of normal power need meet the structural requirements of Part 2, Title 24.
- Fire sprinkler systems comply with the bracing and anchorage requirements of NFPA 13, 1994 edition or subsequent applicable standards.

Exception: Rural acute care hospital facilities in Seismic Zone 3 shall comply with the bracing and anchorage requirements of NFPA 13, 1994 edition or subsequent applicable standards by January 1, 2013.

NPC 4

The building meets the criteria for NPC 3 and all architectural, mechanical, electrical systems, components and equipment, and hospital equipment meet the bracing and anchorage requirements of Part 2, Title 24. This category is for classification purposes of the Office of Emergency Services.

NPC 5

The building meets the criteria for NPC 4 and on-site supplies of water and holding tanks for wastewater, sufficient for 72 hours emergency operations, are integrated in to the building plumbing systems. As an alternative, hook-ups to allow for the use of transportable sources of water and sanitary waste water disposal have been provided. An on-site emergency system as defined within Part 3, Title 24 is incorporated into the building electrical system for critical care areas. Additionally, the system shall provide for radiological service and an onsite fuel supply for 72 hours of acute care operation.



COMMON BUILDING TYPES

Building Type 1 – Wood, Light Frame

Building Type 2 - Wood, Commercial and Industrial

Building Type 3 – Steel Moment Frame

Building Type 4 – Steel Braced Frame

Building Type 5 – Steel Light Frame

Building Type 6 – Steel Frame with Concrete Shear Walls

Building Type 7 – Steel Frame with Infill Shear Walls

Building Type 8 – Concrete Moment Frame

Building Type 9 – Concrete Shear Walls

Building Type 10 – Concrete Frame with Infill Shear Walls

Building Type 11 - Precast / Tilt-up Concrete Walls with Lightweight Flexible Diaphragm

Building Type 12 - Precast Concrete Frames with Concrete Shear Walls

Building Type 13 - Reinforced Masonry Bearing Walls with Wood or Metal Deck Diaphragms

Building Type 14 - Reinforced Masonry Bearing Walls with Precast Concrete Diaphragms

Building Type 15 - Unreinforced Masonry (URM) Bearing Wall Buildings



APPENDIX B

OSHPD REVIEW COMMENTS AND BACKCHECKS WITH RESPONSE



November 16, 2006

Mr. Patrick Rodgers
Senior Structural Engineer
Office of Statewide Health Planning and Development
1600 Ninth Street, Room 420
Sacramento, CA 95814

Re: OLIVE VIEW - UCLA MEDICAL CENTER FACILITY # 15801 14445 Olive View Drive, Sylmar, CA 91342 URS Project No. 29403740

Subj: OSHPD Review Comments on SB 1953 Compliance Plan Report

Dear Mr. Rodgers:

URS Corporation previously submitted an SB 1953 Compliance Plan Report for Olive View-UCLA Medical Center which was dated November 22, 2000. The report was reviewed by OSHPD in a letter of February 6, 2002, a copy of which is enclosed. A revised Compliance Plan dated November 16, 2006 has been prepared that incorporates OSHPD's review comments and the significant changes in the Master Plan and Schedule for compliance with SB 1953 that have occurred over the past six years. As a result, some of the comments raised by OSHPD in the letter of 2002 may no longer be applicable.

This letter has been prepared in response to the three OSHPD review comments in the February 6, 2002 letter:

- 1. The revised Compliance Plan has the structural engineer of record's seal on the cover as requested.
- 2. Compliance Plan Schedule:
 - The revised Compliance Plan Schedule includes each building affected by each construction phase as requested.
 - The NPC-2 project affected all three buildings as stated in the original Compliance Plan. The NPC-4 and NPC-5 projects have been broken up into separate phases of construction with NPC-4 being completed early for the Central Plant and Cooling Tower in order to bring them into compliance in time to satisfy OSHPD's requirements that all new hospital facilities be serviced by NPC-4 compliant central plant source equipment. The NPC-5 project will affect all three of the existing hospital buildings on the site as well as the new ones that are being planned for construction.

Fax: 213.996.2458

URS

November 16, 2006 OSHPD Page 2

- 3. Existing and planned Building Matrix (2008 and 2030):
 - The column heading that reads 'Retrofit or Delicense' has been restated so that it will handle the multiple stages of hospital campus evolution taking place at the site. We have done this in order to make it more readily useable for all the hospitals the County of Los Angeles is bringing into compliance through retrofit, delicensing or demolition. Through use of a footnote at the base of the table, we believe that the information presented will be more clearly understood.

If you have any questions about this Revised Compliance Plan and our response to OSHPD's letter of February 6, 2002, please feel free to contact the undersigned at (213) 996-2379 or contact Mr. Andrew K. Moey of the Los Angeles County Department of Public Works at (626) 300-2333.

Very truly yours,

URS Corporation

William E. Gates, S.E.

Vice President

cc: Andrew K. Moey

Enc: OSHPD letter of February 6, 2002

OSHPD letter of March 4, 2005

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT

FACILITIES DEVELOPMENT DIVISION 1600 9th Street, Room 420 Sacramento, California 95814

(916) 654-3362 FAX (916) 654-2973



February 06, 2002

William E. Gates Dames & Moore 911 Wilshire Blvd., 8th Floor Los Angeles, CA 90017

RE:

Los Angeles Co. Olive View UCLA Medical Center - 15801 14445 Olive View Drive - Sylmar, CA 91342

Dear William E. Gates:

We are in receipt of your Compliance Plan dated November 22, 2000 for the above named facility and have reviewed your Compliance Plan as allowed by the completeness of your submittal.

The following are review comments based on your present submittal. You should expect additional comments on any subsequent new contents provided for our review. Note also that revisions to the Structural Evaluation Report and/or the Nonstructural Evaluation Report may require revisions to, and resubmittal of, the Compliance Plan. All plans are processed in order of receipt.

Although the submitted plan has been reviewed, it will not be approved until the following items have been received, reviewed, and approved by OSHPD:

- 1. All Compliance Plans shall be signed and stamped by the Architect or Structural Engineer of Record.
- 2. Compliance Plan Schedule: Please revise the SB 1953 Compliance Schedule to include the buildings to be affected by each construction phase. Will the NPC-2 and NPC-4/5 projects affect all three buildings?
- 3. Existing and Planned Buildings Matrix (Year 2008 and 2030): Please revise the column heading "Retrofit or Delicense by" to read "Retrofit by" unless the owner is planning on delicensing the buildings.

If you need further information regarding SB 1953, you may visit our web site at www.oshpd.state.ca.us, or you may contact us through lve Laske at (916) 654-3703.

Sincerely,

John Tehaney Hospital Seismic Retrofit Program

Andrew K. Moey, Principal Facilities Project Manager CC: File



Office of Statewide Health Planning and Development

Facilities Development Division 1600 Ninth Street, Room 420 Sacramento, California 95814 (916) 654-3362 Fax (916) 654-2973 www.oshpd.ca.gov/fdd

March 04, 2005

William E. Gates URA Corporation 911 Wilshire Blvd., Suite 700 Los Angeles, CA 90017

RE: Los Angeles County Olive View-UCLA Medical Center - 15801

14445 Olive View Dr. - Sylmar, CA 91342 Approval of NPC 1 Evaluated Building(s)

Dear William E. Gates:

We have reviewed your seismic evaluation report submitted for the referenced facility.

This letter constitutes an approval for the NPC 1 non-structural seismic performance rating you have assigned for the following "hospital building(s)":

01 Main Hospital Building NPC 1
02 Central Plant NPC 1
03 Cooling Tower NPC 1

If you need further information regarding SB 1953, you may visit our web site at www.oshpd.state.ca.us, or you may contact us through Ive Laske at (916) 654-3703.

Sincerely,

Chris Tokas Hospital Seismic Retrofit Program

Cc: File

Melinda Anderson, Administrator Los Angeles County Olive View-UCLA Medical Center



County of Los Angeles



SB 1953 SEISMIC EVALUATION AND RETROFIT

REVISED COMPLIANCE PLAN

Rancho Los Amigos National Rehabilitation Center





November 16, 2006 OSHPD Facility #11976





COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

900 SOUTH FREMONT AVENUE ALHAMBRA, CALIFORNIA 91803-1331 Telephone: (626) 458-5100 www.ladpw.org

ADDRESS ALL CORRESPONDENCE TO: P.O. BOX 1460 ALHAMBRA, CALIFORNIA 91802-1460

IN REPLY PLEASE
REFER TO FILE: PM-1

November 2, 2006

Mr. Chris Tokas, S.E.
Office of Statewide Health Planning and Development
1600 Ninth Street, Room 420
Sacramento, CA 95814

Dear Mr. Tokas:

RANCHO LOS AMIGOS NATIONAL REHABILITATION CENTER SENATE BILL 1953 REVISED COMPLIANCE PLAN OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITY 11976

In response to Senate Bill (SB) 1953 regulations, we are enclosing the revised Compliance Plan for Rancho Los Amigos National Rehabilitation Center. This report is being submitted as an update to the original November 22, 2000, Compliance Plan and in response to Office of Statewide Health Planning and Development's Review Comments in Appendix B.

The Revised Compliance Plan includes consolidation of all acute care functions into current and proposed SB 1953 compliant structures. It also addresses the requirements of the Settlement Agreement resulting from a ruling by the United States District Court in May 2003 and approved by the Board of Supervisors in August 2005. As a result of this revised Compliance Plan, all acute care hospital buildings on this campus will be fully compliant with SB 1953 milestone requirements by 2013. No further upgrades will be needed to meet the 2030 milestone.

Mr. Chris Tokas November 2, 2006 Page 2

This report was prepared by URS Corporation. If you have any questions, please contact me at (626) 300-3203 or Mr. William E. Gates of URS Corporation at (213) 996-2379.

Very truly yours,

DONALD L. WOLFE Director of Public Works

JAMES F. KEARNS

Capital Projects Program Manager Project Management Division II

JK:vmg

U:\pmdII\courts\Rancho\RLANRC\Executive Campus Planner\RevisedSB1953plan.doc

Enc.

cc: Chief Administrative Office (Hannah Chen, Tracy Jue)
Department of Health Services (Fred Leaf, Valerie Orange)

URS

September 28, 2006

Mr. James F. Kearns
Capital Projects Manager
Project Management Division II, 5th Floor
Los Angeles County
Department of Public Works
900 South Fremont Avenue
Alhambra, California 91803 -1331

Re:

SB 1953 Seismic Evaluation Project

Los Angeles County Contract #PW-11917

URS Project Number 29493740

Subj:

Revised Compliance Plan

Rancho Los Amigos National Rehabilitation Center

Dear Mr. Kearns:

Enclosed are eight copies of the Revised Compliance Plan under SB 1953 for Rancho Los Amigos National Rehabilitation Center. This report is being submitted for formal review by the hospital administration and for approval by the Board of Supervisors.

Thank you for your review and assistance in completing this document. If you have any questions, please contact me at 213/996-2379.

Sincerely,

URS

William E. Gates, S.E.

Vice President

cc: Andrew K. Moey

URS Corporation 915 Wilshire Boulevard, Suite 700 Los Angeles, CA 90017-3437 Tel: 213.996.2200

Fax: 213.996.2458



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New JPI Building (04D)



SECTION 1

INTRODUCTION



SENATE BILL 1953 COMPLIANCE PLAN

1.0 INTRODUCTION

1.1 Purpose

This report describes Los Angeles County's compliance plan to address the identified seismic deficiencies of the Rancho Los Amigos National Rehabilitation Center as required by SB 1953 regulations.

These existing seismic deficiencies were documented in the SB1953 Seismic Evaluation Report and Compliance Plan, submitted to OSHPD in December 2000. OSHPD provided review comments on the NPC-2 structural retrofit bracing and anchorage in the letters of September 4, 2001 and review of the Compliance Plan in the Letter of June 14, 2002. This Revised Compliance Plan incorporates OSHPD's review comments, responds to the questions, and updates the compliance plan to reflect the major changes in the Master Plan for the Campus that have occurred over the past 6 years.

This report has also been prepared to support the application for a 5 year time extension on the 2008 milestone to 2013. The extension is based on diminished capacity of service to the community serviced by the Rancho Los Amigos National Rehabilitation Center if the milestone deadline is not extended.

1.2 Background

In December 2001, the Board of Supervisors approved the consolidation of inpatient services at the Rancho Los Amigos National Rehabilitation Center from a 395-bed General Acute Care Hospital into a new 186-bed inpatient facility as a cost-effective alternative to the seismic retrofit of existing buildings required under SB 1953. The cost of the new facility was estimated at \$161.6 million, was to be financed through the issuance of long-term bonds and would be usable beyond the year 2030. The cost of retrofitting the existing inpatient facilities under SB 1953 regulations was estimated at \$82.6 million and would be usable only through 2029. The Board subsequently approved the concept of consolidating inpatient services at Rancho into a new facility as an alternative to the SB 1953 mandated retrofit.

The project was deferred; due to the Department of Health Services' recommendation to close the Rancho Rehabilitation Center as part of its deficit reduction plan and the subsequent ruling by the United States District Court in May 2003 that prohibited the closing or reduction in inpatient capacity at Rancho. An injunction was subsequently



ordered by the court that required the County to continue to fund Rancho's operations at a level that would support an average daily inpatient census of 191 patients.

On August 9, 2005, the Board of Supervisors authorized settlement of the lawsuit pending approval by all parties and the court. The substance of the settlement required the County to operate Rancho Los Amigos with 162 available beds, which would support a census of 135 rehabilitation and rehab-related patients, and twelve ortho-diabetes, arthritis, and other general acute patients.

On April 18, 2006, the Board of Supervisors in order to meet the terms of the settlement and the requirements of SB1953 without disruption to services at Rancho authorized:

- Submission of a request to the Office of Statewide Health Planning and Development (OSHPD) for a five year extension of the compliance deadline for Senate Bill 1953 seismic retrofit requirements, and
- Established the Campus Site Consolidation Capital Project 69334

1.3 Existing Hospital

The Rancho Los Amigos National Rehabilitation Center is located at 7601 East Imperial Highway, Downey, California, and has 22 buildings that are subject to SB 1953 evaluation and retrofit requirements. These are:

- 01A Building 704
- 01B Building 703
- 01C Building 702
- 01D Building 700
- 01E Building 704
- 01F South Enclosed Passageway
- 01G North Enclosed Passageway
- 02A Bldg 100 Main Hospital
- 02B Bldg 101/102 Main Hospital Expansion
- 02C Outpatient Entrance Addition
- 03 Building 900
- 04A JPI Building (04A)
- 04B JPI Building (04B)
- 04C JPI Building (04C)
- 05A Central Plant
- 05B Fire Pump Building
- 06 Harriman Bldg
- 07 Safety Police Bldg
- 08 Medical Records Building 603/604



- 09 Kitchen
- 10 Bldg 500
- 11 Old Central Plant

Several of these buildings have structural and/or nonstructural seismic deficiencies that require upgrade by the 2002, 2013, and 2030 milestone dates as described in this report, Section 3.0. Presently Site Plans for the North and South Campuses and location of all Acute Care Hospital Buildings.

1.4 Revised Compliance Plan (Consolidation Project)

The recommended consolidation of inpatient services at Rancho into the Jacqueline Perry Institute (JPI) Building (04) entails the renovation of 24,000 square feet of the existing 186,000-square-foot JPI building and construction of a new 36,000-square-foot, two-story addition on the north side of the building. The enlarged and renovated facility will have the capacity for 162 licensed inpatient beds, along with associated rehabilitation support space and required diagnostic and treatment services. By constructing this new acute-care building addition, partially renovating the existing JPI building, relocating the critical care services from noncompliant buildings, and installing a 72-hour liquid waste tank, the hospital will meet all SB 1953 requirements and can operate as a licensed 162-bed facility beyond 2030.

The consolidation will also include the renovation of the historic Harriman Building (06) and the dietary area within the Support Services Annex (SSA) to accommodate the relocation the Kitchen Building (09) from the South Campus. to the New Kitchen Building (12) on the North Campus. This renovation will accommodate the preparation of all inpatient meals as well as staff and visitor dining services. The existing parking structure and the Central Plant would continue to support the Rancho Los Amigos National Rehabilitation Center North Campus. The buildings vacated, as part of the consolidation of services within the expanded JPI Building will be demolished in preparation for the second phase of consolidation.

Expansion of the existing JPI facility will allow the consolidation of inpatient services into a single building, consisting of 4 seismically separate structures, allowing Rancho to realize the estimated \$3.2 million in annual operating savings associated with such a consolidation, and satisfy the requirements of SB 1953.

The recommended consolidation also provides a significant cost savings versus the seismic retrofit of existing inpatient facilities at Rancho Los Amigos. The cost for expansion of the JPI facility is currently estimated at \$42 million. The second phase of consolidation, which entails the demolition of the older buildings that will be vacated in favor of the expanded JPI facility and construction of a new outpatient facility, is estimated at \$30 million.



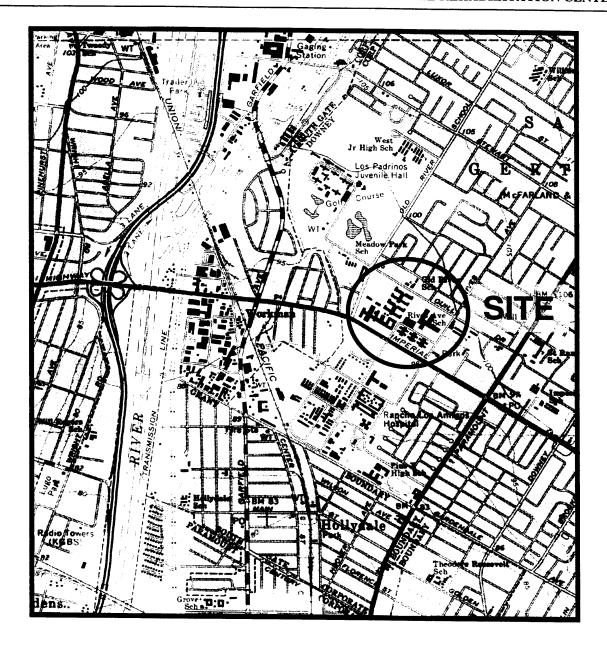
The second phase of the consolidation scheduled after 2013 will consist of the construction of a new outpatient building of approximately 70,000 square feet to house outpatient and support services currently located in multiple buildings throughout the Ranch Los Amigos National Rehabilitation Center's North Campus. The new outpatient building will be located in close proximity to the new acute-care JPI Building addition.

1.5 Assumptions

The California Constitution prohibits the County of Los Angeles (County) from incurring any indebtedness or liability which would exceed in any one fiscal year the income and revenue of the County for such year, without the assent of two-thirds of the qualified voters of the County. Accordingly, the County cannot commit to make the required retrofits to the facility unless and until it has encumbered all the funds required to pay for the retrofits. Such encumbrances do not occur until specific contracts are approved for funding by the County. Such contracts cannot be approved until an environmental assessment of the retrofits is completed.

1.6 Report Contents

- Introduction and building photographs.
- Narrative description of compliance plan for various SB 1953 milestone dates.
- Compliance site plans for various SB 1953 milestone dates.
- Existing and planned building status matrices.
- Schedule for design and construction of the planned activities.
- References
- SB 1953 Requirements and Terminology (Appendix A)
- OSHPD Review Comments and backchecks with response (Appendix B)



VICINITY MAP

Downey, California

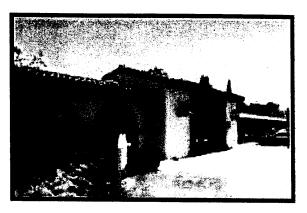
RANCHO LOS AMIGOS NATIONAL REHABILITATION CENTER

Los Angeles County

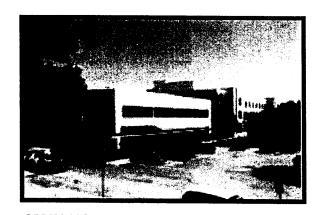




HARRIMAN BUILDING



MAIN ENTRANCE



MAIN HOSPITAL AND JPI BUILDINGS



JPI BUILDING

PHOTOGRAPHS

RANCHO LOS AMIGOS NATIONAL REHABILITATION CENTER Los Angeles County





SECTION 2

COMPLIANCE PLAN DESCRIPTION



2.0 COMPLIANCE PLAN DESCRIPTION

Los Angeles County's Rancho Los Amigos National Rehabilitation Center in Downey, California, currently consists of 107 buildings on a campus of 135 acres.

The following outlines the steps that are proposed by the County to bring the RLANRC Campus into compliance with SB1953 at each of the specified milestone dates. The 2008 Milestone has been extended to 2013 to minimize diminished capacity of services provided by the hospital to its service region which covers most of Southern California.

2.1 By the Year 2002

The County has met this milestone and has provided bracing and anchorage of the following systems to achieve an NPC-2 rating for all SB 1953 related buildings and equipment on the site:

- Communications Systems
- Emergency Power Systems
- Emergency Lights and Signs

The fire alarm and bulk medical gas storage system was installed with an OSHPD approval and is already compliant.

The following buildings will meet or exceed SPC-2 and NPC-3 ratings when their status is upgraded to NPC-2:

- JPI Building (04A, 04B, 04C)
- Central Plant (05A)
- Fire Pump Building (05B)
- Safety Police Building (07)

2.2 By the Year 2013

The County will delicense and demolish the following Acute Care Hospital buildings that are rated SPC-1 and NPC-2 or NPC-3:

- Building 704 (01A)
- Building 703 (01B)
- Building 702 (01C)
- Building 700 (01D)
- Building 701 (01E)
- South Enclosed Passageway (01F)
- North Enclosed Passageway (01G)
- Building 100 Main Hospital (02A)
- Building 101/102 (02B)
- Outpatient Entrance Addition (02C)
- Building 900 (03)



- Medical Records Building 603/604 (08)
- Kitchen (09)
- Building 500 (10)
- Old Central Plant (11)

And will delicense the historic Harriman Building (06), the original hospital on the site.

The County will construct two new Acute Care Buildings as replacement for the services lost in demolition of the non-compliant hospital buildings. The two new buildings are:

- New Kitchen (12)
- New JPI Building (04D)

Building (04D) will replace medical services formerly provided in the Main Hospital Building 100 (02A) and Building 101/102 (02B). These services include Central Sterile, Inpatient Pharmacy, Intensive Care Unit, Surgery, and Radiology.

All other buildings on campus are functionally independent of the hospital and require no SB 1953 upgrade work.

The following buildings which are compliant as SPC-3, SPC-4 or SPC-5 structurally will be brought into NPC-5 compliance by 2013:

- JPI Building (04A, 04B, 04C,040)
- Central Plant (05A)
- Fire Pump Building (05B)
- Safety Police Building (07)
- New Kitchen (12)
- New JPI Building (04D)

2-3 By the year 2030

All Acute Care Hospital Buildings on this Campus will be fully compliant with SB1953 Milestone requirement by 2013. No further upgrade will be required to meet the 2030 milestone.



SECTION 3

COMPLIANCE SITE PLANS

RIVES AVENUE

BLDG. 900

- JPI BLDG. (04)

BULK OXYGEN TANKS **

(03)

(04A)

AVENUE

-BLDG. 700 (01D)

 $(01G)^{-}$

PARKING STRUCTIRE

CENTRAL-PLANT (05A)

FIRE PUMP-BLDG (05B)

OLD RIVER SCHOOL ROAD

(04B)

EBICKZON

BLDG. 101/102 (02B) (ADDITION TO MAIN HOSPITAL)

(02B

(04C)

(01F)

PARKING

SAFETY —— POLICE (07)

PARKING

BLDG. 100 (02C) (OUTPATIENT ADDITION)





NATIONAL REHABILITATION CENTER RANCHO LOS AMIGOS **2000 SITE PLAN**

OSHPD FACILITY #11976 (NORTH CAMPUS)

> NPC-1 NPC-1 NPC-1

SPC-1

*1930

FIRE PUMP BLDG. HARRIMAN BUILDING

05A 05B SPC-5

SPC-1

SPC-1

+ B 1 + B

*1952

BUILDING 500

*1949

80 10

90 0 DESIGN OR AS-BUILT DRAWINGS

8

DATE

SPC-5

(

-BLDG. 603/604 (08) (MEDICAL RECORD)

BLDG. 100 (MAIN HOSPITAL) (02A)

-HARRIMAN BLDG. (06)

PARKING

藉

MEDICAL SCIENCE (10)

BLDG 500

- COVERED WALK

manus de la companya																	
	SB 1953 RATING	NON STRUCTURAL	NPC-1	NPC-1	NPC-1	NPC-1	NPC-1	NPC-1	NPC-1	NPC-1	NPC-1	NPC-1	NPC-1	NPC-1	NPC-1	NPC-1	NPC-1
	SB 1953	STRUCTURAL	SPC-1	SPC-1	SPC-1	SPC-1	SPC-1	SPC-1	SPC-1	SPC-1	SPC-4	SPC-1	SPC-1	S-DdS	SPC-3	SPC-3	SPC-5
IMPERIAL HWY	Į.	STORIES	-	-	1	1 + B	-	-	1	2 + B	2	1	1 + B	2 + B	2 + B	2 + B	1
IMPER		PERMIT DATE	*1960	*1960	*1960	*1960	*1962	*1962	*1964	*1963	*1977/1978	*1966	*1966	*1993	*1993	*1993	*1993
		BUILDING NAME	BUILDING 704	BUILDING 703	BUILDING 702	BUILDING 700	BUILDING 701	SOUTH ENCLOSED PASSAGEWAY	NORTH ENCLOSED PASSAGEWAY	BUILDING 100	BUILDING 101/102	OUTPATIENT ENTRANCE ADDITION	BUILDING 900	JPI BUILDING	JPI BUILDING	JPI BUILDING	CENTRAL PLANT
	ā	O	01A	01B	010	O1D	O1E	01F	016	02A	028	02C	03	04A	04B	04C	05A

9
LEGE
7 9 1
B

IN COMPLIANCE WITH THE REQUIREMENTS BEYOND YEAR 2013 (UNTIL 2030)

IN COMPLIANCE WITH THE REQUIREMENTS BEYOND YEAR 2030

REQUIRES NON STRUCTURAL RETROFIT ONLY

REQUIRES STRUCTURAL & NON STRUCTURAL RETROFIT

DELICENSED BUILDING

DELICENSED AND DEMOLISHED BUILDING

DOES NOT FALL UNDER SB 1953 REVIEW **EQUIPMENT ONLY** SEISMIC SEPARATION JOINT

G:\2006 LACo\2006 COMPLIANCE PLAN REPORT\RANCHO LOS AMIGOS\current RLA COMP PLAN/RLA FIGURES\RLA 3-1 2000N.dwg September 26, 2006 – 10Repart November 16, 2006

RIVES AVENUE

BLDG. 900 (03)

BLDG. 700

(O1D)

(01G)-

CENTRAL-(05A)

JPI BLDG. (04) ▼

QUICL DRIVE

- BULK OXYGEN TANKS **

FIRE PUMP BLDG ☐ (05B) ▼

OLD RIVER SCHOOL ROAD

-BLDG. 101/102 (02B) (ADDITION TO MAIN HOSPITAL)

(02B)

(04C)[∆]

SAFETY — POLICE (07)

PARKING

(01F)

BLDG. 100 (02C) (OUTPATIENT ADDITION)

PARKING



DATE ON DESIGN/AS-BUILT DRAWINGS, ▼ DEPENDENT ON SITE UPGRADE TO NPC-5

FIGURE 3-2

2002 SITE PLAN

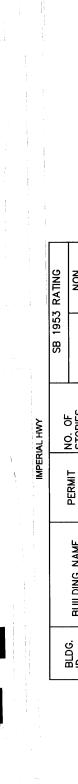
RANCHO LOS AMIGOS

NATIONAL REHABILITATION CENTER

OSHPD FACILITY #11976 SB 1953 SEISMIC EVALUATION (NORTH CAMPUS)







BLDG. 603/604 (08) (MEDICAL RECORD)

PARKING

BLDG. 100 (MAIN HOSPITAL) (02A)

- HARRIMAN BLDG. (06)

PARKING

藉

MEDICAL SCIENCE (10)

BLDG 500

COVERED WALK

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	STRUCTURAL	SPC-1	SPC-1	SPC-1	SPC-1	SPC-1	SPC-1	SPC-1	SPC-1	SPC-4	SPC-1	SPC-1	SPC-3	SPC-3	SPC-3	SPC-5	SPC-5	SPC-1	SPC-5	SPC-1	SPC-1
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	BUILDING NAME	BUILDING 704	BUILDING 703	BUILDING 702	BUILDING 700	BUILDING 701	SOUTH ENCLOSED PASSAGEWAY	NORTH ENCLOSED PASSAGEWAY	BUILDING 100	BUILDING 101/102	OUTPATIENT ENTRANCE	BUILDING 900	JPI BUILDING	JPI BUILDING	JPI BUILDING	CENTRAL PLANT	FIRE PUMP BLDG.	HARRIMAN BUILDING	SAFETY POLICE	MEDICAL RECORD BLDG. 603/604	BUILDING 500
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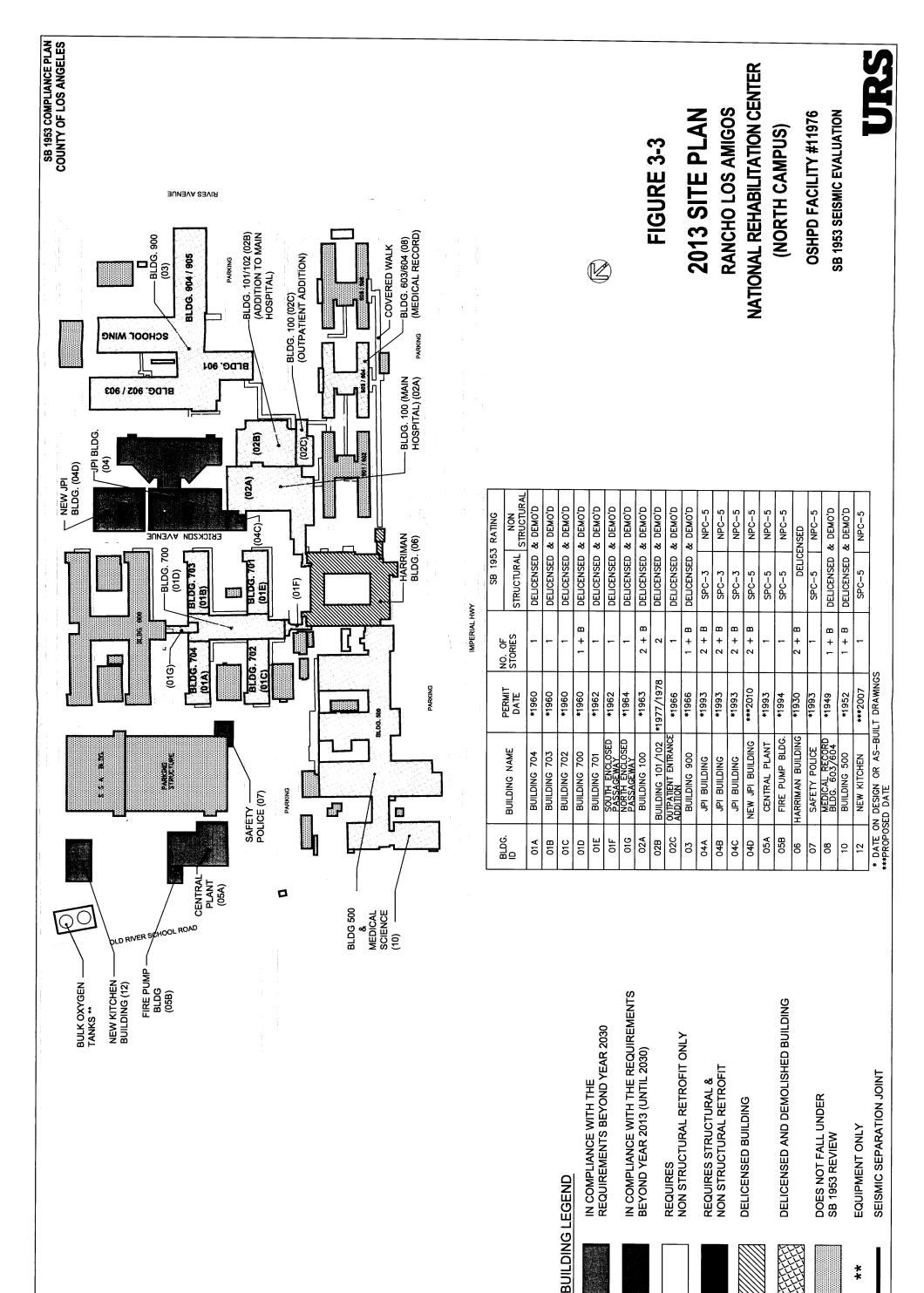




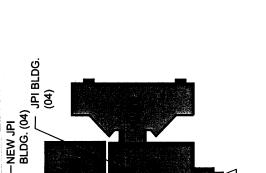








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PARKING STRUCTURE

FIRE PUMP -BLDG (05B)

BULK OXYGEN -TANKS **

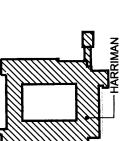
NEW KITCHEN BUILDING (12)

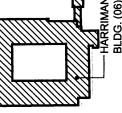
CENTRAL PLANT (05A)

OLD RIVER SCHOOL ROAD

(04C)-

SAFETY ____ POLICE (07)





IMPERIAL HWY

BUILDING LEGEND



IN COMPLIANCE WITH THE REQUIREMENTS BEYOND YEAR 2030

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REQUIRES STRUCTURAL & NON STRUCTURAL RETROFIT

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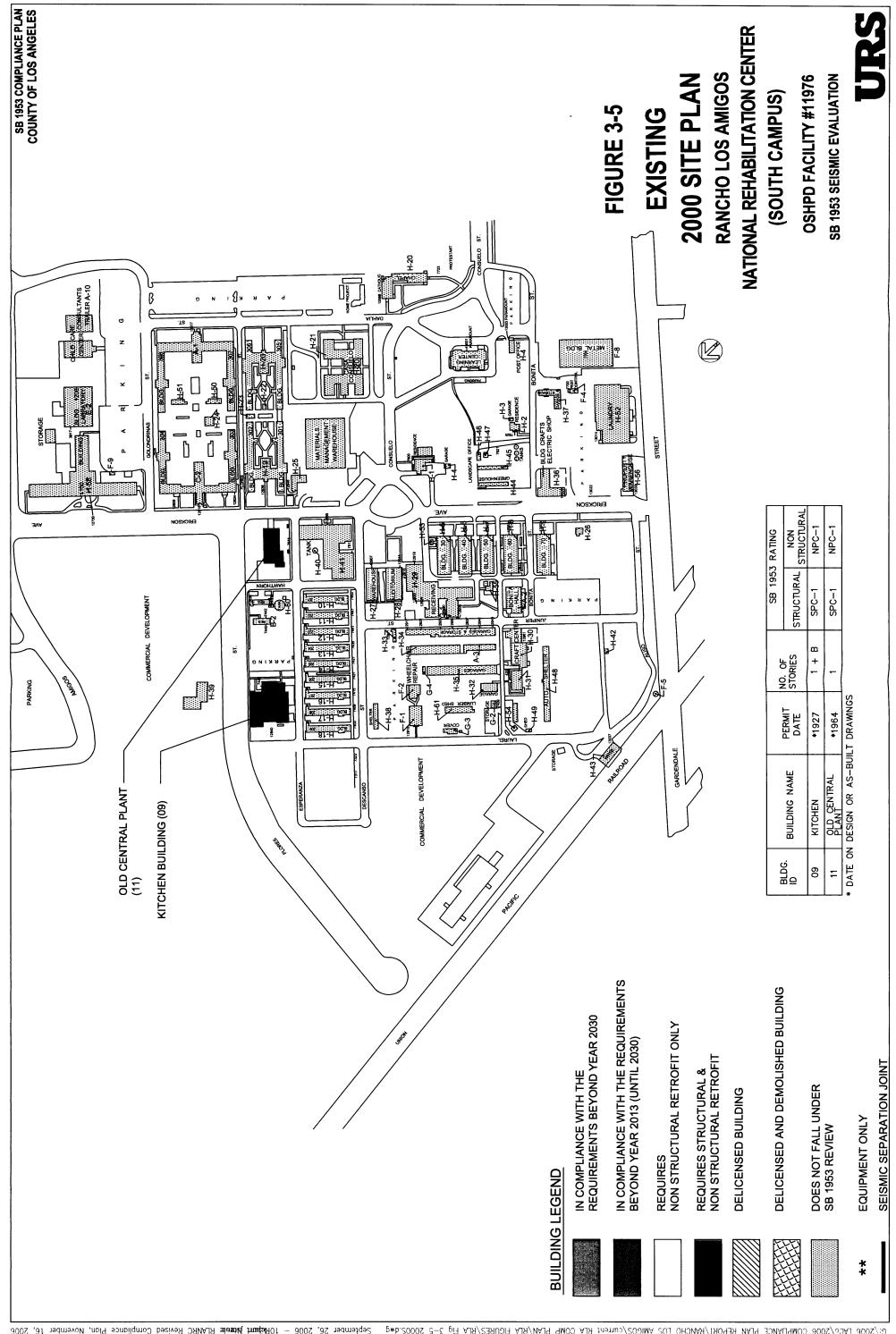
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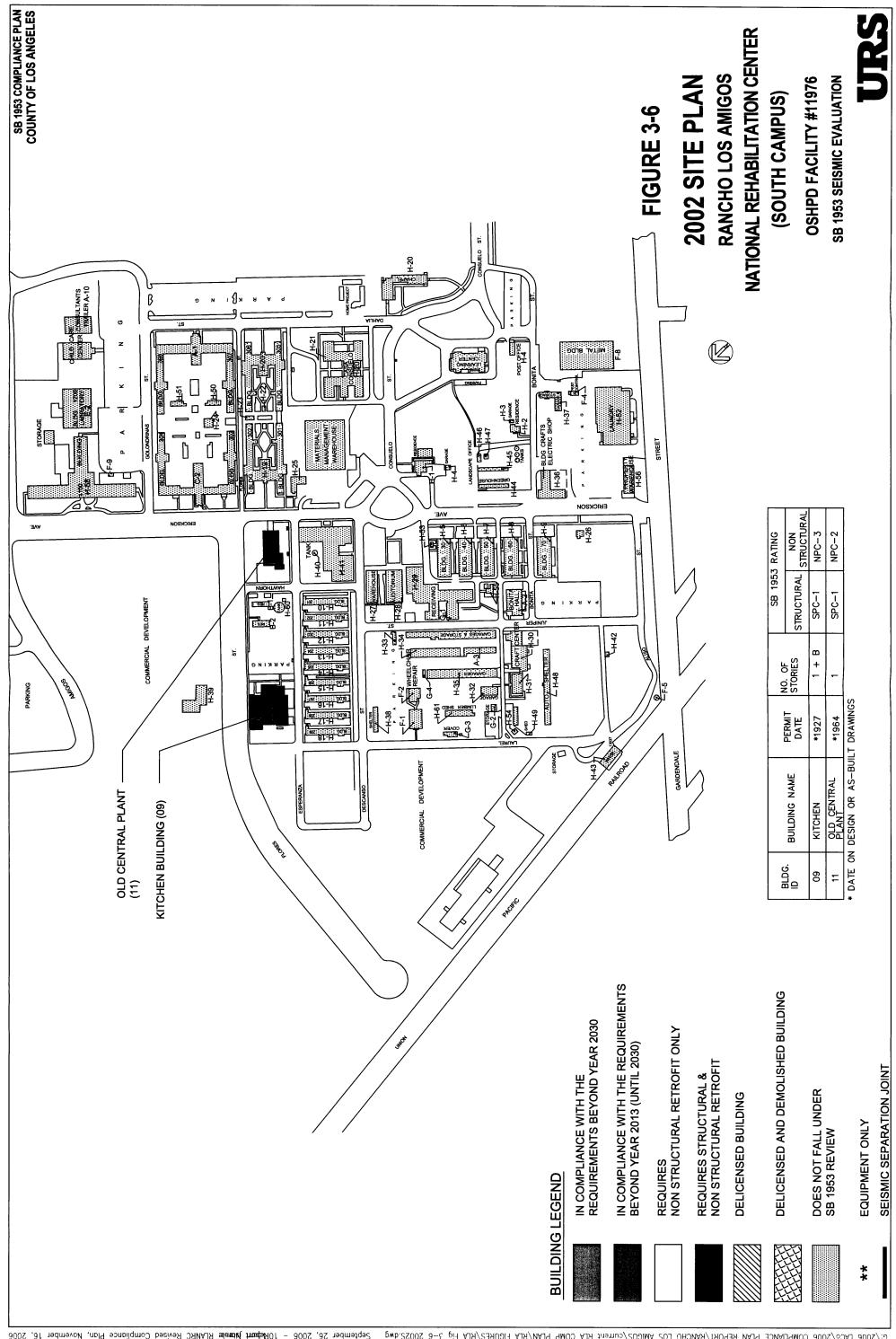
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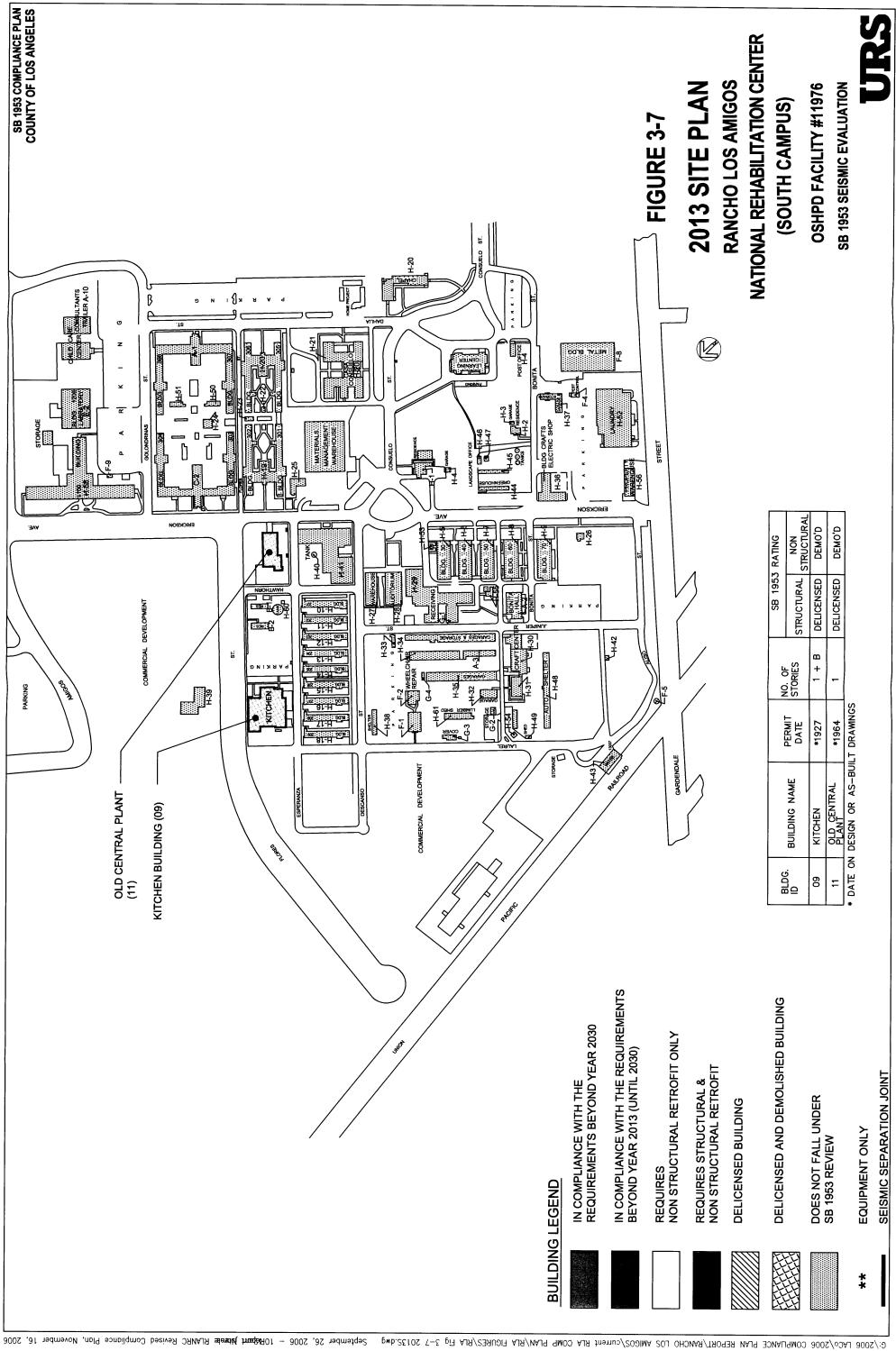
* DATE ON DESIGN OR AS-BUILT DRAWINGS ***PROPOSED DATE

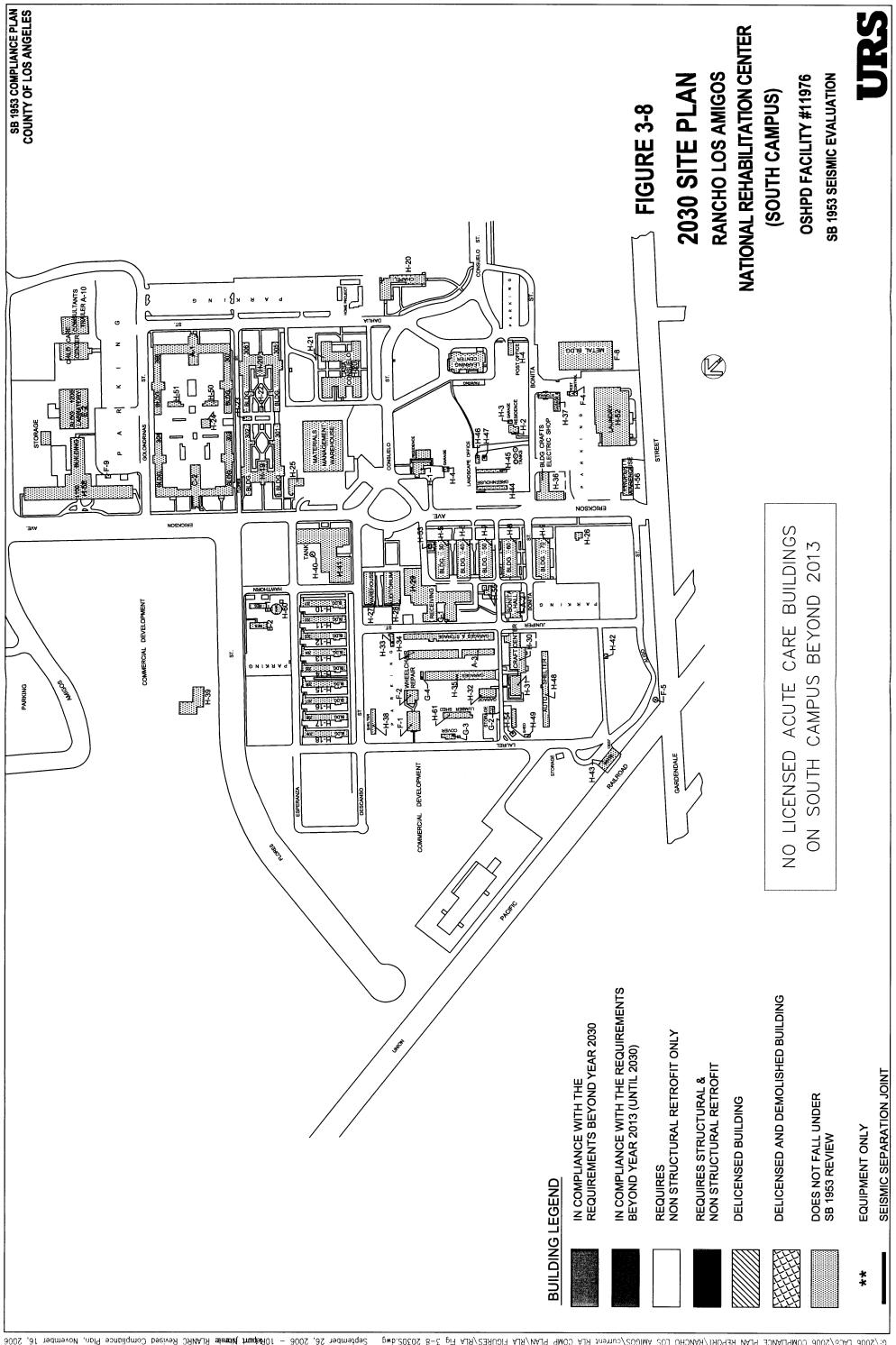
RANCHO LOS AMIGOS 2030 SITE PLAN **FIGURE 3-4**

NATIONAL REHABILITATION CENTER **OSHPD FACILITY #11976 SB 1953 SEISMIC EVALUATION** (NORTH CAMPUS)











SECTION 4

EXISTING AND PLANNED BUILDING MATRIX



Table 4-1
Rancho Los Amigos National Rehabilitation Center
Existing at 2000 and Planned Buildings Matrix
for Year 2002

Bldg ID	Building Name	Bldg Type ⁽¹⁾	SPC Existing ⁽¹⁾	SPC Planned	NPC Existing ⁽¹⁾	NPC Planned	Retrofit By
01A	Building 704	14	1	1	1	3	2002
01B	Building 703	14	1	1	1	3	2002
01C	Building 702	14	1	1	1	3	2002
01D	Building 700	14	1	1	1	3	2002
01E	Building 701	14	1	1	1	2	2002
01F	South Enclosed Passageway	13	1	1	1	3	2002
01 G	North Enclosed Passageway	13	1	1	1	3	2002
02A	Building 100 Main Hospital	6	1	1	1	2	2002
02B	Building 101/102	6	4	4	1	2	2002
02C	Outpatient Entrance Addition	11	1	1	1	3	2002
03	Building 900	9, 13	1	1	1	3	2002
04A	JPI Building	3	3	3	1	4	2002
04B	JPI Building	3	3	3	1	4	2002
04C	JPI Building	3	3	3	1	4	2002
05A	Central Plant	4	5	5	1	4	2002
05B	Fire Pump Building	11	5	5	1	4	2002
06	Harriman Building	9	1	1	1	2	2002
07	Safety Police Building	9	5	5	1	3	2002
08	Medical Records Building 603/604	12	1	1	1	3	2002
09	Kitchen	7	1	1	1	3	2002
10	Building 500	13	1	1	1	2	2002
11	Old Central Plant	13	1	1	1	2	2002

⁽¹⁾ Refer to Appendix A for definition of heading terms and abbreviations.



Table 4-2
Rancho Los Amigos National Rehabilitation Center
Existing at 2002 and Planned Buildings Matrix
for Year 2013

Bld ID	Building Name	Bld Type	SPC Existing	SPC Planned	NPC Existing	NPC Planned	Status ⁽¹⁾ By
01A	Building 704	14	1	D&D (2)	3	D&D (2)	2013
01B	Building 703	14	1	D&D	3	D&D	2013
01C	Building 702	14	1	D&D	3	D&D	2013
01D	Building 700	14	1	D&D	3	D&D	2013
01E	Building 701	14	1	D&D	2	D&D	2013
01F	South Enclosed Passageway	13	1	D&D	3	D&D	2013
01G	North Enclosed Passageway	13	1	D&D	3	D&D	2013
02A	Building 100 Main Hospital	6	1	D&D	2	D&D	2013
02B	Building 101/102 Main Hospital Expansion	6	4	D&D	2	D&D	2013
02C	Outpatient Entrance Addition	11	1	D&D	3	D&D	2013
03	Building 900	9.13	1	D&D	3	D&D	2013
04A	JPI Building	3	3	3	4	5	2013
04B	JPI Building	3	3	3	4	5	2013
04C	JPI Building	3	3	3	4	5	2013
05A	Central Plant	4	5	5	4	5	2013
05B	Fire Pump Building	11	5	5	4	5	2013
06	Harriman Building	9	1	Delicensed	2	Delicensed	2013
07	Safety Police Building	9	5	5	3	5	2013
08	Medical Records Building 603/604	12	1	D&D	3	D&D	2013
09	Kitchen	7	1	D&D	3	D&D	2013
10	Building 500	13	1	D&D	2	D&D	2013
11	Old Central Plant	13	1	D&D	2	D&D	2013
12	New Kitchen	TBD	NA	5	NA	5	2010
13	New JPI Building	TBD	NA	5	NA	5	2013

⁽¹⁾ Status may include retrofit, delicense, demolish or new building (2) D&D = Delicensed and Demolished



Table 4-3
Rancho Los Amigos National Rehabilitation Center
Existing At 2013 and Planned Buildings Matrix
For Year 2030

Bldg ID	Building Name	Bldg Type	SPC Existing	SPC Planned	NPC Existing	NPC Planned	Status BY (1)
04A	JPI Building	3	3	3	4	5	2013
04B	JPI Building	3	3	3	4	5	2013
04C	JPI Building	3	3	3	4	5	2013
05A	Central Plant	4	5	5	4	5	2013
05B	Fire Pump Building	11	5	5	4	5	2013
06	Harriman Building	9	Delicensed	N/A	Delicensed	N/A	2013
07	Safety Police Building	9	5	5	3	5	2013
12	New Kitchen	TBD	5	5	4	5	2013
04D	New JPI Building	TBD	5	5	4	5	2013

⁽¹⁾ Status may include retrofit, delicense, demolish, or new building



SECTION 5

COMPLIANCE PLAN SCHEDULE

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HARRIMAN BUILDING (06)

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SAFETY POLICE BUILDING (07)

FIGURE 5-4

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PAGE 5-3

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DELICENSING

CONTINGENCY

DEMOLITION

PAGE 5-4



SECTION 6

REFERENCES



6.0 REFERENCES

Dames & Moore, 2000, SB 1953 Seismic Evaluation Report for Rancho Los Amigos National Rehabilitation Center, Downey, California, Project No. 22701-022-015, dated November 22, 2000, prepared for the County of Los Angeles Department of Public Works.

Dames & Moore, 2000, Compliance Plan, Rancho Los Amigos National Rehabilitation Center, Downey, California, SB 1953 Seismic Evaluation and Retrofit, Project No. 22701-022-015, dated November 22, 2000, prepared for the County of Los Angeles Department of Public Works.

Dames & Moore, 2000, SB 1953 NPC-2 Evaluation Report for Rancho Los Amigos National Rehabilitation Center, Downey, California, Project No. 22701-022-015 dated November 22, 2000, prepared for the County of Los Angeles Department of Public Works.

Dames & Moore, 2001, SB 1953 Seismic Response Plan Report for Rancho Los Amigos National Rehabilitation Center, Downey, California, Project No. 22701-022-015, dated February 28, 2001, prepared for the County of Los Angeles Department of Public Works.

URS Corporation, 2002, Response to OSHPD review comments, SB 1953 Seismic Evaluation and Compliance Project, NPC-2 Evaluation Report, Rancho Los Amigos National Rehabilitation Center, Downey, California, Project No. 29400259, dated November 15, 2002, prepared for the County of Los Angeles Department of Public Works.

APPENDIX A

SUMMARY OF SB 1953 REQUIREMENTS AND TERMINOLOGY



BACKGROUND

Senate Bill 1953 requires that California hospitals develop a Compliance Plan to eliminate seismically unsafe buildings by 2008 and to upgrade all General Acute Care hospitals to a level of functionality following earthquake as specified by the Office of Statewide Health Planning and Development (OSHPD) by the year 2030. The compliance plan must be submitted to OSHPD by January 1, 2001 for review and approval.

OSHPD has developed an evaluation procedure for hospital buildings to categorize the structural system and nonstructural components by relative life risk and functionality under earthquake. The Structural Performance Categories (SPCs) range from unsafe for hospital patients (SPC-1) to fully safe and functional (SPC-5).

Since nonstructural components and equipment play a key role in providing hospital services and also represent a potential source of injury to the patient, SB 1953 requires the complete review of all nonstructural components for structural anchorage and bracing. The emergency services must be brought up to OSHPD seismic standards by January 1, 2002. The nonstructural elements that could fall and injure or disrupt functions in selected Acute Care areas must be upgraded to OSHPD standards by 2008. The full Acute Care Hospital must be upgraded to OSHPD standards by 2030.

Not all hospitals will require seismic upgrade to comply with SB 1953. Those designed and constructed under OSHPD's review and approval since 1983 are automatically considered conforming. All that is required is proof of permit. Hospitals designed and constructed prior to 1973 are considered nonconforming and all will require detailed structural and nonstructural review. Unless they are proven to be life safe (SPC-2) they will have to be upgraded from the unsafe status (SPC-1) or removed from service as a hospital by 2008.

Hospitals designed and constructed between 1973 and 1983 and reviewed by OSA are a mixed situation. They are partially conforming. The structure may meet hospital life safety standards, but nonstructural equipment may not. Both the structural and nonstructural elements will require an evaluation by the structural engineer to determine the Seismic Performance Category.

OSHPD requires a formal evaluation report be filed by the hospital no later than January 1, 2001 on all the General Acute Care Facilities listed on the license except free standing Skilled Nursing Building, non acute care Psychiatric Hospitals, and out patient clinics where more than 75% of the patients are out patients. The Compliance Plan defines how the nonconforming buildings will be brought into conformance or decommissioned by the year 2008 and 2030.



SENATE BILL 1953 REQUIREMENTS and GLOSSARY of TERMS

Senate Bill 1953 (SB 1953) has established a series of interim milestone dates for progressively bringing all hospitals into full seismic compliance with California Building Codes by January 1, 2030. The level of building compliance with SB 1953 requirements is defined by:

- Structural Performance Categories (SPC-1 thru SPC-5) and
- Nonstructural Performance Categories (NPC-1 thru NPC-5).

By January 1, 2002 all five essential systems (i.e., Emergency Power, Bulk Medical Gas Storage, Communications, Fire Alarm and Emergency Lights and Signs) must meet the NPC-2 level of compliance.

By January 1, 2008 all hospital buildings must meet minimum life safety requirements for earthquake which is complying with SPC-2 rating. Buildings housing Critical Care service areas or source equipment serving these areas must also meet NPC-3 rating by 2008. These ratings are the minimum for continued operation of hospital buildings until January 2030. Los Angeles County has applied for an extension of the 2008 deadline to 2013.

To operate the hospital building beyond January 2030, the structure must be rated SPC-3, SPC-4, or SPC-5 and nonstructurally it must be rated NPC-5.

STRUCTURAL PERFORMANCE CATEGORIES (SPC)

SPC 1

Buildings posing a significant risk of collapse and a danger to the public. These buildings must be brought up to the SPC 2 level by January 1, 2008 or be removed from acute care service.

SPC 2

Buildings in compliance with the pre-1973 California Building Standards Code or other applicable standards, but not in compliance with the structural provisions of the Alquist Hospital Facilities Seismic Safety Act. These buildings do not significantly jeopardize life, but may not be repairable or functional following strong ground motion. These buildings must be brought into compliance with the structural provisions of the Alquist Hospital Facilities Seismic Safety Act, its regulations, or its retrofit provisions by January 1, 2030 or be removed from acute care service.

SPC 3

Buildings in compliance with the structural provisions of the Alquist Hospital Facilities Seismic Safety Act, utilizing steel moment resisting frames in regions of high seismicity as defined in Section 4.2.10 and constructed under a permit issued prior to October 25, 1994. These buildings may experience structural damage which does not significantly jeopardize life, but may not be



repairable or functional following strong ground motion. Buildings in this category will have been constructed or reconstructed under a building permit obtained through OSHPD.

SPC 4

Buildings in compliance with the structural provisions of the Alquist Hospital Facilities Seismic Safety Act, but may experience structural damage which may inhibit ability to provide services to the public following strong ground motion. Buildings in this category will have been constructed or reconstructed under a building permit obtained through OSHPD. These buildings may be used to January 1, 2030 and beyond.

SPC 5

Buildings in compliance with the structural provisions of the Alquist Hospital Facilities Seismic Safety Act, and reasonably capable of providing services to the public following strong ground motion. Buildings in this category will have been constructed or reconstructed under a building permit obtained through OSHPD. These buildings may be used without restriction to January 1, 2030 and beyond.

NONSTRUCTURAL PERFORMANCE CATEGORY (NPC)

NPC 1

Buildings with equipment and systems not meeting the bracing and anchorage requirements of any other NPC.

NPC 2

The following systems are braced or anchored in accordance with Part 2, Title 24:

- communications systems;
- emergency power system;
- · bulk medical gas systems; and
- fire alarm systems.
- emergency lighting equipment and signs in the means of egress.

<u>NPC 3</u>

The building meets the criteria for NPC "2" and in Critical Care Areas, clinical laboratory service spaces, pharmaceutical service spaces, radiological service spaces, and central and sterile supply areas, the following components meet the bracing and anchorage requirements of Part 2, Title 24:

- Nonstructural components, listed in the 1995 CBC, Part 2, Title 24, Table 16A-O, Part 2; and
- Equipment, as listed in the 1995 CBC, Part 2, Title 24, Table 16A-O, "Equipment" including equipment in the physical plant that service these areas.



Exceptions:

- 1. Seismic restraints need not be provided for cable trays, conduit and HVAC ducting. Seismic restraints may be omitted from piping systems, provided that an approved method of preventing release of the contents of the piping system in the event of a break is provided.
- 2. Only elevator(s) selected to provide service to patient, surgical, obstetrical, and ground floors during interruption of normal power need meet the structural requirements of Part 2, Title 24.
- Fire sprinkler systems comply with the bracing and anchorage requirements of NFPA 13, 1994 edition or subsequent applicable standards.
- Exception: Rural acute care hospital facilities in Seismic Zone 3 shall comply with the bracing and anchorage requirements of NFPA 13, 1994 edition or subsequent applicable standards by January 1, 2013.

NPC 4

The building meets the criteria for NPC 3 and all architectural, mechanical, electrical systems, components and equipment, and hospital equipment meet the bracing and anchorage requirements of Part 2, Title 24. This category is for classification purposes of the Office of Emergency Services.

NPC 5

The building meets the criteria for NPC "4" and on-site supplies of water and holding tanks for wastewater, sufficient for 72 hours emergency operations, are integrated in to the building plumbing systems. As an alternative, hook-ups to allow for the use of transportable sources of water and sanitary waste water disposal have been provided. An on-site emergency system as defined within Part 3, Title 24 is incorporated into the building electrical system for critical care areas. Additionally, the system shall provide for radiological service and an onsite fuel supply for 72 hours of acute care operation.



COMMON BUILDING TYPES

Building Type 1 – Wood, Light Frame

Building Type 2 – Wood, Commercial and Industrial

Building Type 3 – Steel Moment Frame

Building Type 4 – Steel Braced Frame

Building Type 5 – Steel Light Frame

Building Type 6 – Steel Frame with Concrete Shear Walls

Building Type 7 – Steel Frame with Infill Shear Walls

Building Type 8 – Concrete Moment Frame

Building Type 9 – Concrete Shear Walls

Building Type 10 – Concrete Frame with Infill Shear Walls

Building Type 11 – Precast / Tilt-up Concrete Walls with Lightweight Flexible Diaphragm

Building Type 12 – Precast Concrete Frames with Concrete Shear Walls

Building Type 13 – Reinforced Masonry Bearing Walls with Wood or Metal Deck Diaphragms

Building Type 14 – Reinforced Masonry Bearing Walls with Precast Concrete Diaphragms

Building Type 15 – Unreinforced Masonry (URM) Bearing Wall Buildings



APPENDIX B

OSHPD REVIEW COMMENTS AND BACKCHECKS WITH RESPONSE

URS

November 16, 2006

Mr. Patrick Rodgers
Senior Structural Engineer
SB 1953 Seismic Retrofit Program
Facilities Development Division
Office of Statewide Health Planning and Development
1600 Ninth Street, Room 420
Sacramento, CA 95814

Re: Rancho Los Amigos National Rehabilitation Center #11976

7601 E. Imperial Highway, Downey, California 90242

URS Project No. 29403740

Subj: OSHPD's Review Comments on SB 1953 Compliance Plan Report

Dear Mr. Rodgers,

URS Corporation has submitted a previous SB 1953 Compliance Plan Report for Rancho Los Amigos National Rehabilitation Center dated November 22, 2000 which has been reviewed by OSHPD in a letter of June 14, 2002, a copy of which is enclosed. A Revised Compliance Plan has been prepared incorporating the OSHPD review comments and significant changes in the plans and schedule for compliance with SB 1953. As a result, many of the comments raised by OSHPD in 2002 are no longer applicable due to the changes imposed by the U.S. Federal Court and Los Angeles County financial constraints associated with the operation of Rancho Los Amigos National Rehabilitation Center.

Even though the original Compliance Plan of November 22, 2000 is now obsolete, we have prepared this letter to make the record complete in response to OSHPD's reviews and our response to those comments.

The following represent the disposition of the five OSHPD review comments in the June 14, 2002 letter on Rancho Los Amigos National Rehabilitation Center:

- 1. The Revised Compliance Plan has the Structural Engineer of Record's seal on the cover as requested.
- 2. Patrick Rodger's letter dated September 4, 2001 has been enclosed for purposes of documentation.

URS Corporation 915 Wilshire Boulevard, Suite 700 Los Angeles, CA 90017-3437 Tel: 213.996.2200

Fax: 213.996.2458



November 16, 2006 OSHPD Page 2

- 2.a) The building count for the Acute Care facilities is now very clear. The building count given in the Evaluation Report, shown in Figures 2 and 3 attached, consists of 20 buildings on the North campus and 2 buildings on the South campus. This identical count shows up in Table 3, Matrix of Construction Information copied from the SB 1953 Seismic Evaluation Report. All of the figures in the Compliance Plan for the two North and South campuses have an identical Acute Care building count. Furthermore, the names and OSHPD assigned numbers for all buildings are identical and match OSHPD's records as shown in the enclosed OSHPD letter of March 3, 2005.
- 2.b) The seismic separation joints have been shown on the site plans in the Evaluation Report and on the site plans in the Compliance Plan Report. However, the seismic isolation joint size has only been called out in the Evaluation Report. The sizes are still identical and so we have reproduced Figure 2 from the Evaluation Report and attached it for the record.
- 2.c) Finally, the building inventory, naming convention and numbering system for the Seismic Evaluation Report and the Compliance Plan are consistent as demonstrated by the materials enclosed in this Appendix from the Evaluation Report and the revised Compliance Plan Report attached.

3. Compliance Plan Schedule:

- 3.a) Has been fully revised to include each building or group of buildings that have the same identical design and construction schedules.
- 3.b) All of the Acute Care buildings on the site have been affected by the NPC-2 retrofit project, thus, a single schedule for all buildings would have been appropriate. However, the NPC-2 schedule has been repeated for each building for the sake of clarity.
- 3.c) The SPC-2, NPC-3 project may include the new Kitchen (Bldg. 12). This may be seen by reviewing the project schedule in Figure 5-3 with Figure 5-5 in Section 5 of the Revised Compliance Plan Report. The new Laboratory (Bldg. 13) is no longer part of the Compliance Plan. Thus, its schedule for construction is not applicable.



November 16, 2006 OSHPD Page 3

3.d) All of the construction shown on the various schedules will not necessarily be submitted as one project.

4. Compliance Plan Schedule:

- 4.a) None of the buildings will now be retrofit to bring them to SPC-3, SPC-4 and SPC-5 compliance by the year 2029. All of the buildings on the site will be fully compliant with the 2029 milestone requirements by 2012. Please see the revised schedules in this report.
- 4.b) The Outpatient Entrance Addition (Bldg. 02C) will be included in the project as a delicensed and demolished structure by 2013.
- 4.c) The buildings that will be delicensed as part of this project have all been identified in Section 2, Section 3, Section 4 and Section 5 of this report. As noted in Section 2.2 under the "Compliance Plan Description" on Page 2-1, the following buildings will be delicensed and demolished by 2013: Bldg. 01A, 01B, 01C, 01D, 01E, 01F, 01G, all in the 700 Building complex; Building 02A, 02B and 02C in the Main Hospital complex; Buildings 03, 08, 09, 10 and Building 11. Only the Harriman Building (Bldg. 06) will be delicensed and not demolished.
- 4.d) All nine of the major phases of each project shown on the project schedule have been identified in accordance with Section 1.4.4.4, Items 1 through 8, Chapter 16, Part I, Title 24, C.C.R.
- 4.e) Each schedule has specifically identified the buildings that will be involved in the project schedules. Please see Section 5.
- 5. Compliance Plan Schedule: All of the buildings identified in this comment will be delicensed and demolished except for the Harriman Building (06). The Harriman Building will only be delicensed as noted previously under item 4.c above.

The attached Revised Compliance Plan has significant revisions in the construction plans and schedules. These are highlighted in Section 1.4 entitled "Revised Compliance Plan Consolidation Project".

URS

November 16, 2006 OSHPD Page 4

If you have any questions about this Revised Compliance Plan, please feel free to contact the undersigned at 213.996.2379 or contact Mr. Andrew K. Moey of Los Angeles County Department of Public Works at 626.300.2333.

Sincerely,

William

URS Corporation

William E. Gates, S.E.

Vice President

cc: Andrew K. Moey

Enc: OSHPD Letter of June 14, 2002

OSHPD Letter of September 4, 2001 OSHPD Letter of March 3, 2005

Figures 2, 3 and Table 3 from SB 1953 Seismic Evaluation Report (RLA NRC)

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT

FACILITIES DEVELOPMENT DIVISION 1600 9th Street, Room 420 Sacramento, California 95814 (916) 654-3362 FAX (916) 654-2973



June 14, 2002

William E. Gates Dames & Moore 911 Wilshire Blvd., 8Th Floor Los Angeles, CA 90017

RE: Los Angeles Co. Rancho Los Amigos Medical Center - 11976

7601 East Imperial Highway - Downey, CA 90242

Dear William E. Gates:

We are in receipt of your Compliance Plan dated November 22, 2000 for the above named facility and have reviewed your Compliance Plan as allowed by the completeness of your submittal.

The following are review comments based on your present submittal. You should expect additional comments on any subsequent new contents provided for our review. Note also that revisions to the Structural Evaluation Report and/or the Nonstructural Evaluation Report may require revisions to, and resubmittal of, the Compliance Plan. All plans are processed in order of receipt.

Although the submitted plan has been reviewed, it will not be approved until the following items have been received, reviewed, and approved by OSHPD:

- 1. All Compliance Plans shall be signed and stamped by the Architect or Structural Engineer of Record.
- 2. Reference the previous letter from Patrick Rodgers dated September 4, 2001. The building count for this facility is not clear. The Site Plans and other portions of the Compliance Plan shall include all hospital buildings at the site. Clearly show the seismic isolation joints (including the joint size) between buildings on the Site Plans. The building inventory, naming convention and numbering system for the Seismic Evaluation Report and the Compliance Plan shall be consistent.
- 3. Compliance Plan Schedule: Please revise the Compliance Plan Schedule to indicate the buildings to be affected by each construction phase. Will all buildings at the site be affected by the NPC-2 Project? Will the SPC-2/NPC-3 Project also include the design for the New Kitchen (Building 12) and the New Laboratory (Building 13)? Will all of this construction be submitted as one project?
- 4. Compliance Plan Schedule: Which buildings will be affected by the SPC-3,4,5/NPC-5 Project scheduled to occur in the year 2029? Will the Outpatient Entrance Addition (Building 02C) be included in this project? Specify the buildings that will be delicensed as a part of this project. Indicate the major phases of the proposed project (such as obtaining a geotechnical report for retrofit design, relocation of

Los Angeles Co. Rancho Los Amigos Medical Center - 11976 June 14, 2002 Page 2 of 2

acute care services to other facilities, licensing/certification, and date of beneficial occupancy) as identified in Section 1.4.4.4, Items 1 through 8, Chapter 6, Part 1, Title 24, C.C.R. Please clearly identify the specific buildings to be affected by each proposed project.

5. Compliance Plan Schedule: Indicate the delicensing of the Harriman Building (Building 06), Kitchen (Building 09), Building 500 (Building 10) and the Old Central Plant (Building 11) on the schedule.

The above review comments are based on your current submittal. You should expect additional comments on any subsequent new contents provided for our review. All evaluations are processed in order of receipt.

If you need further information regarding SB 1953, you may visit our web site at www.oshpd.state.ca.us, or you may contact us through Ive Laske at (916) 654-3703.

Sincerely,

John Tehaney Hospital Seismic Retrofit Program

cc: Andrew K. Moey, Principal Facilities Project Manager

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT

FACILITIES DEVELOPMENT DIVISION 1600 9th Street, Room 420

Sacramento, California 95814 (916) 654-3362 FAX (916) 654-2973



September 04, 2001

William E. Gates Dames & Moore 911 Wilshire Blvd., 8Th Floor Los Angeles, CA 90017

RE: Los Angeles Co. Rancho Los Amigos Medical Center - 11976 7601 East Imperial Highway - Downey, CA 90242

Dear William E. Gates:

We are in receipt of your Seismic Evaluation Report. Your report has been triaged for completeness and found unacceptable for review.

The triage process consists of a cursory review checking for completeness only, not accuracy. You should expect additional comments on the contents of the evaluation at the time of review. All evaluations are processed in order of receipt. The facility's evaluation that is finally triaged as acceptable for review will be processed according to the final time and date received.

Please note that Compliance Plans are not a part of this triage process. Any major defects or omissions will receive comments at time of review. Upon completion of the review, our comments, if any, will be forwarded to you.

In order to perform another triage of your Evaluation Report, the following items need to be incorporated into the evaluation:

- 1. When evaluating a building, the structure shall consist of the original construction and all subsequent additions built without a seismic separation. These additions are tied to the original structure and will be considered as one building. It is not clear from the information given on the Matrix of Construction and the Building Identification Site Plan how many free-standing buildings make up the facility. Revise the Plan to incorporate the following:
 - 1.1. Show on the site plans the locations of all hospital services as listed on the hospital license. Services shall include those included in basic services, CBC Sections 420A.14 through 420A.20 and support services, CBC Sections 420A21 through 420A.27. Any structure that houses supplementary services as listed in CBC 420A.28 through 420A.52, and are included as a part of the licensed hospital services at DHS, shall be considered as a hospital building and requires evaluation under SB1953 regulations.

Los Angeles County Rancho Los Amigos Medical Center - 11976 September 04, 2001 Page 2 of 2

- 1.2. The site plan shall reflect accurately all buildings and additions that are in the building matrix table. Provide information on use of all buildings on the campus.
- 1.3. The seismic isolation joint location shall be clearly shown on the plan and labeled. Interconnections between hospital buildings and between hospital and non-hospital buildings shall be shown. The report shall indicate where seismic isolation joints occur at the abutting structures and the clear size of joint.
- 1.4. The OSHPD permit number, building names and any other information shall be clearly readable on the site plan without the aid of magnification. Place the OSHPD permit number of the original building and each addition within the outline of the building on the site plan where possible.
- 2. For all evaluated nonconforming buildings, it is necessary to submit a material testing report per Section 2.1 of the regulations. The Materials Testing Program and results are to be included in the Seismic Evaluation Report. The in-place testing program to quantify material properties for satisfying the seismic evaluation requirements of SB1953 should meet Section 2.1.2 and the recommendations of FEMA 273, October 1997 Edition, Chapters 4 through 8 with some modifications. It is recommended the Materials Testing Program Criteria be submitted for preliminary approval before execution. The results of the testing will be used to confirm material quality and strengths used in the evaluation.
- All Seismic Evaluations shall be signed and stamped by the Structural Engineer. All Compliance Plans shall be signed and stamped by the Architect or Structural Engineer of Record.

If you need further information regarding SB 1953, you may visit our web site at www.oshpd.state.ca.us, or you may contact us through Ive Laske at (916) 654-3703.

Sincerely,

Patrick Rodgers
Hospital Seismic Retrofit Program

cc: File



Office of Statewide Health Planning and Development

Facilities Development Division 1600 Ninth Street, Room 420 Sacramento, California 95814 (916) 654-3362 Fax (916) 654-2973 www.oshpd.ca.gov/fdd

March 03, 2005

William E. Gates URS Corporation 911 Wilshire Blvd., Suite 700 Los Angeles, CA 90017

RE: LAC/Rancho Los Amigos National Rehab Center - 11976

7601 E. Imperial Highway - Downey, CA 90242

Approval of NPC 1 Evaluated Building(s)

Dear William E. Gates:

We have reviewed your seismic evaluation report submitted for the referenced facility.

This letter constitutes an approval for the NPC 1 non-structural seismic performance rating you have assigned for the following "hospital building(s)":

01A 01B 01C 01D 01E 01F 01G 02A 02B	Building – 704 Building – 703 Building – 702 Building – 700 Building – 701 South Enclosure Passageway North Enclosure Passageway Bldg 100 Main Hospital Bldg 101/102 Main Hosp Expansion	NPC 1 NPC 1 NPC 1 NPC 1 NPC 1 NPC 1 NPC 1 NPC 1
02C 03	Outpatient Entrance Addition Building – 900	NPC 1 NPC 1
04A 04B 04C 05A 05B	JPI Bldg South Wing JPI Bldg North Wing JPI Bldg West Wing Central Plant Fire Pump Building	NPC 1 NPC 1 NPC 1 NPC 1 NPC 1
06 07 08 09 10 11	Harriman Building Safety Police Building Med Records Bldg 603/604 Kitchen Building 500 Old Central Plant	NPC 1 NPC 1 NPC 1 NPC 1 NPC 1 NPC 1



Lac/Rancho Los Amigos National Rehab Center - 11976 March 03, 2005 Page 2 of 2

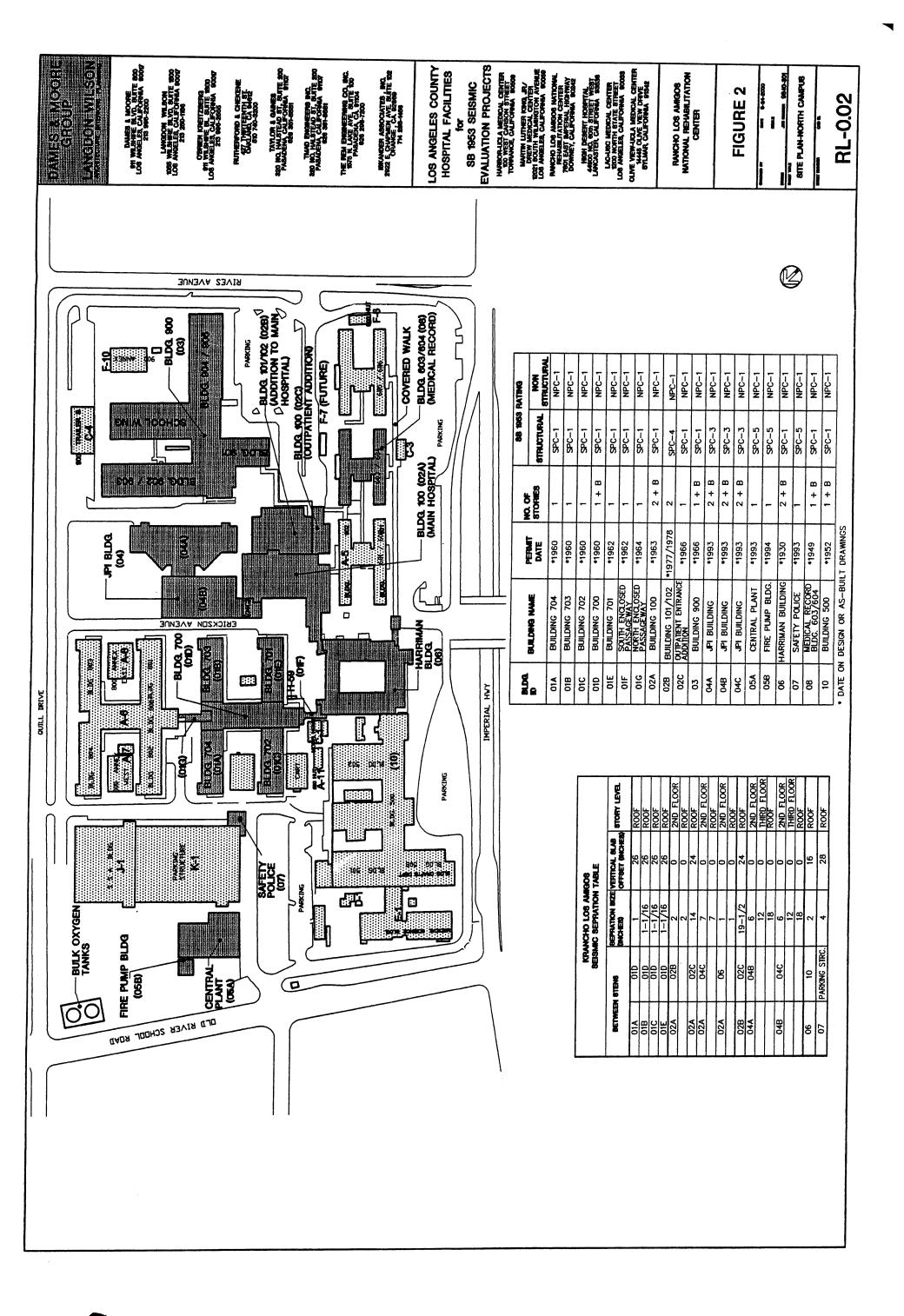
If you need further information regarding SB 1953, you may visit our web site at www.oshpd.state.ca.us, or you may contact us through Ive Laske at (916) 654-3703.

Sincerely,

Chris Tokas Hospital Seismic Retrofit Program

cc: File

Consuelo Diaz, Administrator - LAC/Rancho Los Amigos National Rehab Center



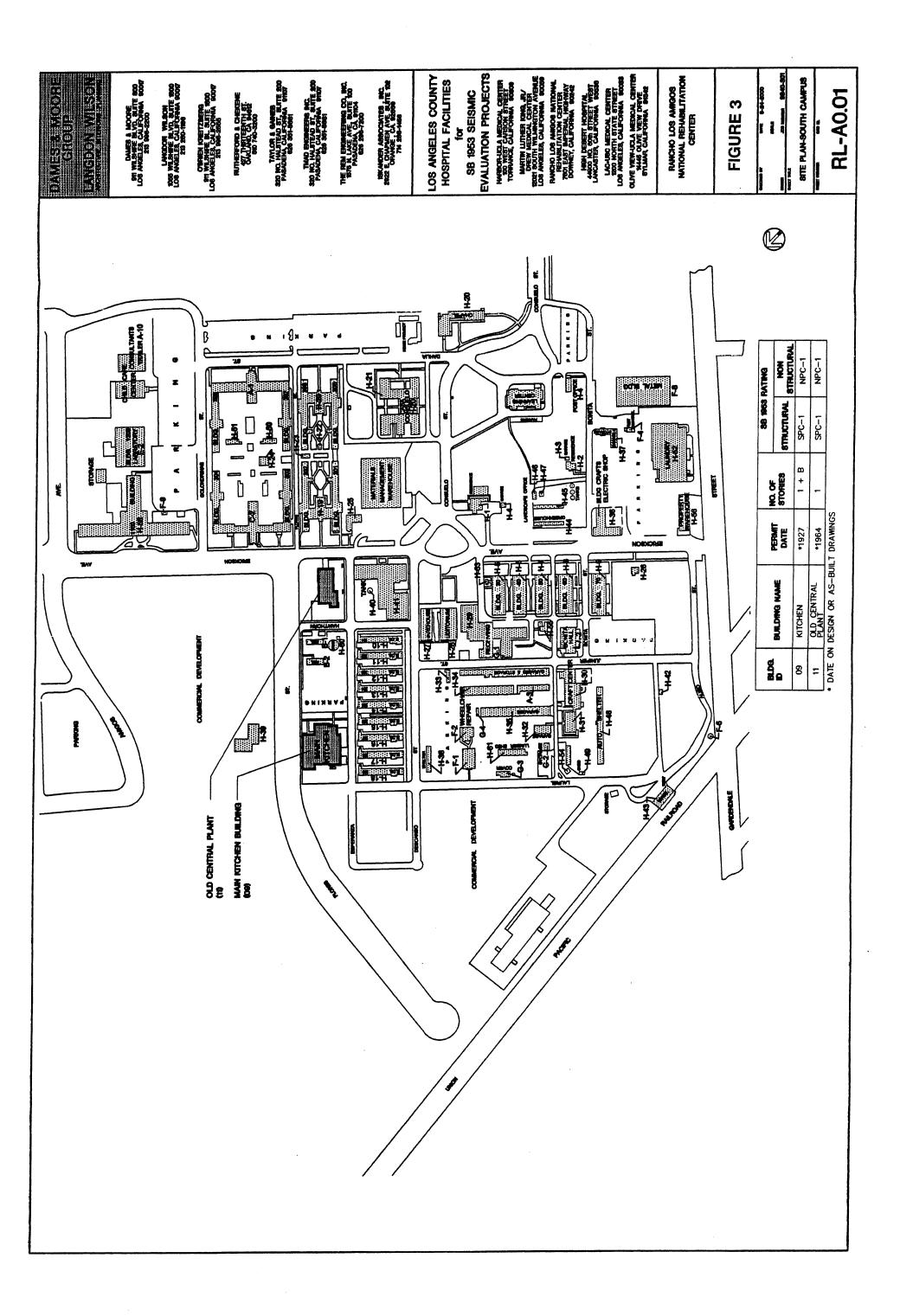


TABLE 3

MATRIX OF CONSTRUCTION INFORMATION

NPC		-	-
SPC	, 🛶	-	1
Building Type (Per Section 2.2.3)	Building Type 14: Reinforced masomy bearing walls with precast concrete diaphragms	Building Type 14: Reinforced masomy bearing walls with precast concrete diaphragms	Building Type 14: Reinforced masonry bearing walls with precast concrete diaphragms
Construction Completion Date (Unless noted)	January 4, 1960 (as built date)	January 4, 1960 (as built date)	January 4, 1960 (as built date)
Governing Bullding Code	Los Angeles County	Los Angeles County	Los Angeles County
OSHPD (or Local Building) Permit Date/Number	Not known (Non-OSHPD)	Not known (Non-OSHPD)	Not known (Non-OSHPD)
Designation/ Major Remodel	Building 700 Complex	Building 700 Complex	Building 700 Complex
Building	Building 704	Building 703	Building 702
STEN	01A	01B	010

NPC			-
SPC		-	,4
Building Type (Per Section 2.2.3)	Building Type 14: Reinforced masonry bearing walls with precast concrete diaphragms	Building Type 14: Reinforced masonry bearing walls with precast concrete diaphragms	Building Type 13: Reinforced masonry bearing walls with metal deck diaphragms
Construction Completion Date (Unless noted)	January 4, 1960 (as built date)	July 24, 1962 (as built date)	April 20, 1962 (as built date)
Governing Building Code	Los Angeles County	Los Angeles County	Los Angeles County
OSHPD (or Local Building) Permit Date/Number	Not known (Non-OSHPD)	Not known (Non-OSHPD)	Not known (Non-OSHPD)
Designation/ Major Remodel	Building 700 Complex	Building 700 Complex	Building 700 Complex
Building	Building 700	Building 701	South Enclosed Passageway
STEN	Q10	01E	OIF

				, , , , , , , , , , , , , , , , , , ,
NPC	-	-		
SPC	-	-	4	-
Building Type (Per Section 2.2.3)	Building Type 13: Reinforced masonry bearing walls with metal deck diaphragms	Building Type 6: Steel frame with concrete shear walls	Building Type 6: Steel frame with concrete shear walls	Building Type 11: Precast/tilt-up concrete shearwalls with rigid cast in place concrete diaphragm.
Construction Completion Date (Unless noted)	June 5, 1964 (as built date)	August 30, 1963 (basement) December 2, 1963 (1", 2", roof) (as built date)	September 26, 1977 (Phase I) June 16, 1978 (Phase II) (as built date)	July 1966 (as built date)
Governing Building Code	Los Angeles County	Los Angeles County	Title 17 of the California Administrative Code LA County Building Laws and UBC 1977	Los Angeles County
OSHPD (or Local Building) Permit Date/Number	Not known (Non-OSHPD)	Not known (Non- OSHPD)	OSA #H0732 & Los Angeles County Permit	Not known (Non- OSHPD)
Designation/ Major Remodel	Building 700 Complex	Main Hospital Building Complex	Main Hospital Building Complex	Main Hospital Building Complex
Building	North Enclosed Passageway	Building 100 Main Hospital	Building 101/102	Outpatient Entrance Addition
STEN	01G	02A	02B	02C



	,						
NPC	-	-	-				-
SPC	-	3	3	æ	8	٧.	-
Building Type (Per Section 2.2.3)	Building Type 9 / 13: Concrete shear walls & reinforced masonry bearing walls with metal deck diaphragms	Building Type 3: Steel moment frane.	Building Type 3: Steel moment frane.	Building Type 3: Steel moment frane.	Building Type 4: Steel braced frame.	Building Type 11: Precast concrete walls with flexible diaphragm.	Building Type 9:
Construction Completion Date (Unless noted)	May 10, 1966 (as built date)	March 18, 1993 (as built date)	March 18, 1993 (as built date)	March 18, 1993 (as built date)	May 26, 1993 (as built date)	1994	April 4, 1930 (as built date)
Governing Building Code	Los Angeles County	CAC Title 24	Los Angeles County				
OSHPD (or Local Building) Permit Date/Number	Not known (Non- OSHPD)	OSHPD HL-909981	OSHPD HL-909981	OSHPD HL-909981	OSHPD HS-920281	OSHPD HL-931796-19	Not Known (Non-OSHPD)
Designation/ Major Remodel	Building 900	JPI Building Complex	JPI Building Complex	JPI Building Complex	Central Plant	Fire Pump Building	Harriman Building
Building	Building 900	JPI Building	JPI Building	JPI Building	Central Plant	Fire Pump Building	Harriman Building
STEN	03	04A	04B	04C	05A	05B	90

	T	T I	I			
NPC		-				
SPC		5		-	-	
Building Type (Per Section 2.2.3)	Concrete shear walls	Building Type 9: Concrete shear walls	Building Type 12: Precast concrete frames with concrete shear walls	Building Type 7: Steel frame with infill shear walls	Building Type 13: Reinforced masonry shear walls	Building Type 13: Reinforced masonry shear walls
Construction Completion Date (Unless noted)		October 4, 1993 (as built date)	May 31, 1949 (as built date)	1927	1952	1964
Governing Building Code		CAC Title 24	Los Angeles County	Los Angeles County	Los Angeles County	Los Angeles County
OSHPD (or Local Building) Permit Date/Number		OSHPD HL-920223	Not Known (Non-OSHPD)	Not Known (Non-OSHPD)	Not Known (Non-OSHPD)	Not Known (Non-OSHPD)
Designation/ Major Remodel		Safety Police Building	Building 603/604	Kitchen 1948/1955/1956	Building 500	Old Central Plant
Building		Safety Police Building	Medical Records Building 603/604	Kitchen	Building 500	Old Central Plant
STEN		07	80	60	10	. ==

ENCLOSURE B

SENATE BILL 1953 SEISMIC RETROFIT PROGRAM VARIOUS MEDICAL CENTERS AUTHORIZE EXTENSION REQUEST FOR DEADLINE COMPLIANCE ADOPT REVISED COMPLIANCE PLANS

I. PROGRAM STATUS

	AN AE	R THE	STRUCTUR NONSTRUCTUR	
PROJECT LOCATIONS	EVALUATION REPORT AND COMPLIANCE PLAN 01/01/01 DEADLINE	NONSTRUCTURAL RETROFIT SCOPE FOR THE 01/01/02 DEADLINE	FEMA HAZARD MITIGATION GRANT SCOPE 12/31/02 DEADLINE	REMAINING SB 1953 STRUCTURAL AND NONSTRUCTURAL SCOPE FOR THE 01/01/08 DEADLINE
HARBOR-UCLA MEDICAL CENTER PATIENT TOWER NORTH WING SOUTH WING PCDC CENTRAL PLANT SURGERY/EMERGENCY BUILDING	Completed Completed Completed Completed Completed n/a	Completed Completed n/a Completed Completed n/a	n/a n/a n/a n/a n/a n/a	PC PC PC PC PC AP
HIGH DESERT HOSPITAL MAIN HOSPITAL GENERATOR BUILDING CENTRAL PLANT	Completed Completed Completed	Completed Completed Completed	n/a n/a n/a	Cancelled n/a Cancelled
MARTIN LUTHER KING, JR./DREW MEDICAL CENTER • MAIN HOSPITAL • CENTRAL PLANT • COOLING TOWERS • TRAUMA CENTER • HAWKINS BUILDING	Completed Completed Completed Completed Completed	Completed Completed Completed Completed Completed Completed	n/a n/a Completed n/a Completed	APH APH n/a n/a n/a

NOTE:

- 1. Items subject to these actions are shown in bold.
- 2. PC OSHPD plan check underway.
- 3. RB A replacement building is proposed in lieu of previously planned seismic retrofit work.
- 4. AP OSHPD stamp of approval received.
- 5. APH OSHPD stamp of approval received, project on hold until Harbor-MLK consolidation is finalized.

	N II	R THE	STRUCTUR NONSTRUCTUR	
PROJECT LOCATIONS	EVALUATION REPORT AND COMPLIANCE PLAN 01/01/01 DEADLINE	NONSTRUCTURAL RETROFIT SCOPE FOR THE 01/01/02 DEADLINE	FEMA HAZARD MITIGATION GRANT SCOPE 12/31/02 DEADLINE	REMAINING SB 1953 STRUCTURAL AND NONSTRUCTURAL SCOPE FOR THE 01/01/08 DEADLINE
OLIVE VIEW-UCLA MEDICAL CENTER • MAIN HOSPITAL • CENTRAL PLANT • COOLING TOWER • EMERGENCY SERVICES & TB UNIT	Completed Completed Completed n/a	Completed Completed Completed n/a	n/a Completed Completed n/a	APB n/a n/a P/C
RANCHO LOS AMIGOS NATIONAL REHABILITATION CENTER BUILDING 100 BUILDING 101/102 BUILDING 500 BUILDING 603/604 BUILDING 700 - 704 BUILDING 900 HARRIMAN BUILDING SAFETY POLICE JPI BUILDING FIRE PUMP BUILDING OLD CENTRAL PLANT OLD KITCHEN NEW LABORATORY	Completed	Completed n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	RB RB n/a RB RB n/a n/a n/a n/a RB RB

NOTE:

- 1. Items subject to these actions are shown in bold.
- 2. PC OSHPD plan check underway.
- 3. RB A replacement building and campus consolidation is proposed in lieu of previously planned seismic retrofit work.
- 4. APB OSHPD stamp of approval received, bidding in progress.

PROJECT LOCATIONS	EVALUATION REPORT AND COMPLIANCE PLAN 01/01/01 DEADLINE	NONSTRUCTURAL RETROFIT SCOPE FOR THE 01/01/02 DEADLINE	STRUCTURAL AND NONSTRUCTURAL SCOPE	
			FEMA HAZARD MITIGATION GRANT SCOPE 12/31/02 DEADLINE	REMAINING SB 1953 STRUCTURAL AND NONSTRUCTURAL SCOPE FOR THE 01/01/08 DEADLINE
LAC+USC MEDICAL CENTER				
GENERAL HOSPITAL WOMEN'S AND CHILDREN'S	Completed	Completed	n/a	n/a (3)
HOSPITAL	Completed	Completed	n/a	n/a (3)
• OPD	Completed	Completed	n/a	n/a (3)
CENTRAL PLANT	Completed	Completed	n/a	n/a (3)
ELECTRICAL STATION ZERO	Completed	Completed	n/a	n/a (3)
PHARMACY AND PHARMACY TRAILER TOTAL			_	
TRAILER T25A	Completed	Completed	n/a	n/a (3)
TELECOMMUNICATION BUILDING	Completed	Completed	n/a	n/a (3)
WOMEN'S AND CHILDREN'S WAREHOUSE				
WAREHOUSE	Completed	Completed	n/a	n/a (3)
MEDICAL RECORDS TRAILER 7B	Completed	Completed	n/a	n/a (3)

NOTE:

- 1.
- Items subject to these actions are shown in bold.

 RB A replacement building and campus consolidation being proposed in lieu of previously planned seismic 2. retrofit work.
- 3. LAC+USC Replacement project satisfies all SB 1953 requirements.